

Office of River Protection
Tri-Party Agreement Milestone Review
Meeting Minutes
November 15, 2012

Approval: J.A. Hedges
J.A. Hedges
Ecology/IAMIT Representative

Date: 12/18/2018

Approval: T.W. Fletcher
T.W. Fletcher
DOE IAMIT Representative

Date: 12/31/12

Approval: D.A. Faulk
D.A. Faulk
EPA IAMIT Representative

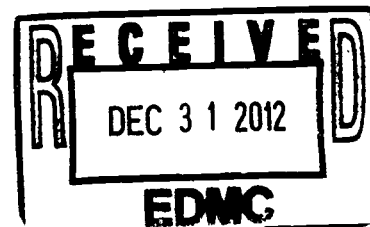
Date: Dec 20, 2012

Minutes Prepared by: T.W. Noland
T.W. Noland
Mission Support Alliance

Date: 12/31/2012

Abdul, W.	ORP	Knox, K.E.*	KCR
Alheimer, J.*	Ecology	Luke, J.J.*	WRPS
Barnes, M.W.	Ecology	Lynch, J.J.*	ORP
Biyani, R. K.	Ecology	Lyon, J.J.*	Ecology
Bohnee, G.	NPT	Mauss, B.M.*	ORP
Caggiano, J.A.*	Ecology	Mattlin, E.M.*	ORP
Charboneau, S.L.	ORP	McDonald, D.*	Ecology
Cimon, S.*	ODE	Miera F.R.*	WRPS
Dahl, S.L.	Ecology	Nazarali, A.	CTUIR
Diediker, J.A.	ORP	Niles, K.	OOE
Donnelly J.W.*	WRPS	Noland, T.W.*	MSA
Dowell, J.A.	RL	Noyes, D.L.*	ORP
Faulk, D.A.	EPA	Pfaff, S.H.*	ORP
Fletcher, T.W.	ORP	Piippo, R.E.*	MSA
Gadbois, L.E.*	EPA	Price, J.B.*	Ecology
Grindstaff, J.F.	ORP	Russell, R.W.	ORP
Harrington, C.C.*	ORP	Skinnarland, E.R.	Ecology
Harris, S.	CTUIR	Trenchard, G.D.	ORP
Hedges, J.*	Ecology	Uziemblo, N.H.	Ecology
Hildebrand, R.D.*	RL	Vanni, J.	Yakama
Hopkins, A.M.*	WRPS	Whalen, C.L.*	Ecology
Huffman, L.A.	ORP	Wold, K.J.*	Ecology
Jim, R.	Yakama	Administrative Record	
Johnson, J.M.*	ORP		
Kaldor, R.A.*	MSA		
Kemp, C.J.*	ORP		
Killooy, S.E.*	WRPS		
Knight, D.P.*	ORP		

*Attendees



**Office of River Protection
Tri-Party Agreement Quarterly Milestone Review
Meeting Minutes
November 15, 2012**

TPA/CD Statistics/Status

ORP provided an update on the agreements, issues and actions list that was discussed in detail during the project managers meeting (PMM) on October 23, 2012. There is a meeting scheduled for today regarding missed milestone M-047-06 and to be missed milestone M-09-11. ORP indicated additional meetings will be scheduled for other to be missed milestones.

Single-Shell Tank Corrective Action; Milestone M-45, -50, -60

M-045-20 - ORP reported that the interim measure investigation work plan is on schedule to be submitted to Ecology in late December 2012.

M-045-21 - ORP stated that the sampling and analysis plan (SAP) for TX Farm is on schedule for submittal to Ecology by March 2013.

M-045-61/62 - ORP stated that these two milestones are at risk due to the lack of funding in FY13 for the Waste Management Area C (WMA-C) Performance Assessment (PA). ORP noted that the milestones could be completed on time if they are de-linked from the WMA-C PA and other available data is used.

SST Retrieval and Closure Program - ORP stated that M-045-82 is at risk due to the funding issue with the WMA-C PA. ORP noted that funding is being pursued for the PA, and the PA needs to be restarted by March 31, 2013 in order to meet the milestone (see issues in TPA summary report). ORP stated that retrieval data reports for tanks C-104 and C-109 are being prepared (M-045-86). ORP conducted a practicability evaluation and submitted a request to Ecology to forego the third technology for C-108. Ecology stated that the request was approved today, and will be transmitted to ORP within a week.

Tank Waste Retrieval Work Plan (TWRWP) Status - ORP noted that the second technology for tank C-111 will be enhanced reached sluicing with high pressure water, and the third technology will be chemical cleaning. ORP added that the enhanced reached sluicing with high pressure water will also be employed as the second technology for tank C-112. The TWRWPs will be revised to reflect the second and third technologies for C-111 and C-112. ORP stated that after discussion with Ecology and the technical team, the term chemical cleaning will be used instead of chemical dissolution. ORP explained that chemical cleaning employs phases using a small caustic wash and high pressure water back and forth versus a single step that is done during chemical dissolution. ORP noted that chemical dissolution is the correct term for the third technology that will be applied to C-108 and C-109.

Tank in Appendix H. Status - Single Shell Waste Retrieval Criteria - ORP reported there was no change in status. ORP noted that when the WMA-C PA is completed, the request for additional information from the NRC will be closed out.

Tank Retrievals with Individual Milestones - ORP stated there was no change in status and there is no activity in tanks A-103 or S-112.

SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B Series -

ORP provided an update on field activities. C-101 bulk retrieval using enhanced reached sluicers is planned to start up in the next two weeks, followed by C-102 in late January 2013. ORP noted that if an issue arises with equipment in C-101, then retrieval would switch over to C-102. The AN-106 supernate pump will be replaced, and then C-107 hard heel retrieval will be completed using the mobile arm retrieval sluicing system (MARS). Ecology asked when the AN-106 pump will be replaced. ORP responded that the replacement pump is in the local shop and will be installed mid-December 2012. ORP noted that the TWRWP table is also included in the TPA summary (see TWRWP status under M-45-00 series).

242-A Evaporator Status - ORP noted that the FY13 Evaporator runs have been bumped out a month from June to July and from August to September. Ecology asked for a statement about the slip in schedule for the evaporator runs. ORP responded that there are several variables, including the documented safety analysis (DSA) that needs to be completed before running an evaporator campaign. ORP took an action to provide a response to Ecology regarding the schedule bump for the evaporator runs.

SST Integrity Assurance; M-45-91

ORP reported that Single-Shell Tank (SST) integrity assurance is funded for FY13. During the effort to start ramping up activities and conducting detailed planning for FY13, it was determined that interim milestones M-045-91F and M-045-91G and several supporting target milestones are no longer achievable by the milestone due dates. A meeting is planned with Ecology the last week of November 2012 to provide more detailed information on the current schedules, with the intent to provide dates that can be achieved for the milestones to be missed. Ecology noted that the target milestones are unenforceable, but they are set in place to provide the steps to achieving the major milestones. ORP responded that even though 91F and 91G are to be missed, and they support M-045-91H and M-045-91I, there is confidence that there is enough float in the schedule to meet 91H and 91I in 2015 and 2018 respectively. Ecology reiterated its concern, noting that a couple of the milestones were recently moved out and given a schedule and durations for each item, and now ORP is planning to move them again. Ecology added that it was not confident the 2015 date could be met if the supporting milestone dates are slipped.

In Tank Characterization and Summary

ORP noted that the AY-102 annulus sampling was done. Ecology asked if another sampling of the material in AY-102 was planned. ORP responded that there is no plan for more sampling, and noted that two separate crawlers were used to obtain the samples in AY-102. Ecology

inquired about the Data Quality Objective (DQO) planned for phase 1 testing on tanks AN-102 and AN-107. ORP responded that the DQO is in support of the Waste Treatment Plant (WTP) and the in-tank process that will be used for those two tanks. Ecology requested a briefing on the process. ORP took an action to set up a briefing for Ecology on the in-tank precipitation process for AN-102 and AN-107. Ecology inquired about the DQO for the solubility model. ORP will provide a status on the DQO for solubility model, and check on whether the release date should be January 2012 (listed in TPA summary) or January 2013.

Tank Operations Contract (TOC) Overview

ORP noted that the performance summary goes through the end of FY12, September 30, 2012. The tank farms contractor has reached 5.2 million hours without a lost time workday injury. The TOC cost performance index (CPI) and schedule performance index (SPI) are currently under budget and slightly ahead of schedule.

Ecology asked if the AY-102 activities will remain in the base operations category. ORP responded that it will remain in base ops, and that activity will be assigned a different work breakdown structure (WBS) at a lower level. ORP reported that the spending in FY12 for supplemental treatment was to set up for the activities initiated in FY13 that are associated with the one-time tank waste supplemental treatment technologies report. Ecology asked why ORP is funding the supplemental treatment one-time report and not other milestones. ORP responded that any other supplemental Low Activity Waste (LAW) immobilization technology will be considered to produce the one-time report, besides second LAW vitrification, and then enter into negotiations in November 2014 through April 2015 with Ecology to select the technology. Ecology noted its preference for completing milestones other than the one-time report, with the clarification that all of the milestones need to be completed.

Acquisition of New Facilities; M-90-00, M-47-00

ORP reported further negotiations on M-090-11 and M-047-06 will be conducted with Ecology. ORP has drafted some language that will be discussed with Ecology during a meeting scheduled later today. ORP stated that the intent is to meet both of the milestones by identifying interim milestones for both projects. ORP noted that work was completed in FY12 on the conceptual design reports for the Interim Hanford Storage facility and the Secondary Liquid Waste Treatment project. The projects are currently on hold due to funding constraints, and the intent is to restore funding next year to further the design on the two projects.

Supplemental Treatment/Part B Permit Applications; M-62-00, -20, -30, -45

M-062-40ZZ - ORP stated that this milestone is on schedule to meet the October 2014 date for the one-time report (see discussion under TOC overview).

M-62-40, System Plan

ORP stated that a review is under way on the External Technical Review for Evaluation of

System Level Modeling and Simulation Tools in Support of Hanford Site Liquid Waste Process. The report was provided by Ecology during the October 23, 2012 PMM. ORP stated that a meeting will be scheduled in early January 2013 to discuss the review of assumptions in the report. Ecology stated that today was the first contact since requesting ORP to review the report during the PMM, and suggested that the communication could be improved. Ecology added that when the next contact occurs, ORP needs to indicate when it intends to close on its review since the time frame for working on System Plan 7 is approaching.

Ecology stated that in light of emerging issues with the double-shell tanks, the assumptions need to be closely evaluated to ensure all the milestone requirements for contingencies are being met. Ecology stated that the parties need to ensure that any scenarios considered for the system plan should reasonably be expected to occur. Ecology added that it would be useful to ask for some constraint assumptions early in the process before the deadline of needing to come up with scenarios, and that should be part of the discussion.

Waste Treatment and Immobilization Plant (WTP) Project

M-062-01Z - ORP reported that the semi-annual TPA project compliance report is on schedule to be submitted in January 2013. Ecology noted the three-year review of the Consent Decree that is due in October 2013, and the milestone should be tracked to ensure it is progressing. ORP referred to page 4 of the CD report where the milestone for the three-year review is identified.

WTP Overall TPA and CD Summary and Milestone Status; M-62-01; M-62-49; D-00A-01, -06, -17

ORP stated that in terms of an overall perspective, there have been no major changes. The number of employees is holding stable, and the intent is to continue maintaining the current work force. Some hydrogen generation calculations and installation of melter bay openings in LAW were completed. Installation of the trolley in HLW was completed, and activities associated with turnover of the switchgear building No. 87 in BOF continue. ORP reported on the status of the S1 team that was appointed by the Secretary of Energy to conduct an in-depth review of technical issues. A recent announcement was made regarding some of the activities the S1 team has addressed.

ORP reported that the baseline changes for LBL (LAW, BOF and LAB) have been incorporated into the project baseline, resulting in significant point adjustments (adjustments to the earned value and thus % complete). ORP added that since the majority of the work is currently occurring in LBL, the distribution of carrying costs over those three facilities caused the percentage numbers for completion to go up. ORP has been reviewing the baseline changes, which are contractor-implemented and don't require ORP's approval.

Another major activity has been to develop and obtain agreement on the closure actions for the level 1 findings (impacting PTF and HLW), and that activity is tied to the reliability verification process (RVP). The RVP is currently reviewing, from a quality and compliance perspective, the status of procured equipment that has been installed. Ecology inquired about an integrated

comprehensive plan that encompasses the RVP and the level 1 findings and review of the corrosion issue. ORP responded that when Bechtel was given direction to not go forward with the baseline for PT and HLW, direction was also given to deliver a comprehensive plan for reaching the point that rebaselining in PT and HLW could be done and continue with unrestricted construction activities. ORP stated that the plan Bechtel was directed to provide is the plan that Ecology is referring to, and the plan would factor in the level 1 findings, nuclear safety quality corrective action plans, and the technical resolutions tied to the S1 team. The intent of the plan is to provide a high level of confidence with the rebaselining of PT and HLW.

Ecology noted that there are several facets associated with the PT and HLW comprehensive plan and level 1 findings, and requested a single forum to gain a more detailed understanding. ORP responded that once Bechtel's level 1 corrective action plan meets ORP's expectations, which is expected to close by the end of November 2012, a forum for routine communications with Ecology will be established. ORP estimated that after all the information is compiled, discussions with Ecology would be initiated by February 2013. Ecology suggested that the next quarterly CD review, scheduled for February 2013, would be a good target date to start the discussions. ORP agreed that an overview would be provided during the February 2013 CD review, adding that the PT and HLW team will continue interacting with Ecology to provide current information.

Significant Planned Actions in the Next Six Months - ORP reported that the 37-foot structural steel work is done in HLW, and the process is under way to verify the milestone is complete to meet the December 31, 2012 due date. ORP stated that the milestones for the steam plant construction complete in BOF and the LAB construction substantially complete are also due at the end of December 2012, and ORP expects those milestones to be met on time. ORP stated that legal direction has been given that formal notification of milestone completion will be via the CD summary report, and there won't be a letter or separate notification to Ecology. ORP added that the informal communications with Ecology will continue, and all of ORP's detailed assessments and reviews that form the basis for milestone completion will be made available to Ecology. Ecology indicated that a response letter will be sent to ORP indicating acceptance of milestone completion.

Ecology raised the issue regarding timing for notification of milestone completion, noting that completion of the December 2012 milestones will not be reported until the CD summary report is issued in February 2013. Ecology also pointed out that it is unclear how a concern should be reported that a milestone won't be met, and whether it would be noted in the quarterly CD report or reported by another method. ORP acknowledged Ecology's concerns, and took an action to discuss the subject with legal.

WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19

ORP reported that the status in PT remains the same relative to no ongoing engineering or construction activities. The majority of the expenditures tied to PT are associated with the technical resolution activities. Ecology asked if there is any resolution to the revamping of the Defense Nuclear Facilities Safety Board's (DNFSB) 2010-2 Implementation Plan (IP). ORP

responded that there has not been resolution. ORP sent a letter informing the DNFSB of the S1 team's existence and the team's area of focus to conduct full scale testing and to not rely on computational fluid dynamics (CFD). The board was informed that the IP will be updated when enough technical strategy is available, and the goal is to start revisions to the IP in the January/February 2013 time frame. ORP noted that it will take several months to complete the revisions to the IP.

Ecology asked if the revised IP would be available for review by mid-year 2013. ORP indicated that time frame is not unreasonable, but the goal is to move forward with testing sooner than that. Ecology acknowledged the need to move forward and be productive, adding that there are other initiatives in the IP, some of which affect the tank farms. ORP agreed, stating that there are elements in the testing program and vessel design verification that go beyond the IP. ORP noted that the scope of the 2010-2 recommendations will remain the same, and the integration team is starting discussions with the board today about the 2010-2 scope.

Significant Planned Actions in the Next Six Months - ORP noted that the technical scaling selection basis document is one of the deliverables out of the IP that may or may not go forward. ORP stated that the corrosion test scoping document may or may not be affected by the S1 team's review, but the corrosion test scoping for the cathodic protection system is anticipated for release in December 2012.

WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21

ORP stated that Bechtel submitted its package for completion of the 37-foot structural steel milestone, and the package is in ORP review. Ecology initiated a discussion regarding the structural steel bolts and the consideration of an agreement to include a statement in the completion package that nothing in the 37-foot structural steel was affected by the structural steel bolt situation. ORP stated that in terms of the rebaselining effort for HLW, Bechtel was directed to identify the engineering and construction activities it proposes to continue. ORP stated that there were some disconnects with Bechtel's preliminary document safety analysis (PDSA), which is the licensing process, and that resulted in the direction to Bechtel to identify engineering and construction activities. ORP's intent is to gain a high level of confidence that the PDSA is consistent with the ongoing design effort. ORP noted that the vessel welding issue is associated with vendor-supplied equipment and not with the quality of welding work being done onsite.

WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09

ORP stated that Bechtel's baseline change proposal (BCP) for LBL was executed, and the LAW facility had the most change in terms of percent complete (facility overall from 69 to 60 percent, engineering design from 85 to 76 percent, procurement from 88 to 83 percent). The changes also reflect the additional baseline change work scope, which did not change the overall scope but included additional allocations of the shared service component. The focus in LAW continues to be the procurement and receipt of the offgas systems. The main issue in LAW is associated with the embeds that were placed incorrectly relative to the standard length and/or how they were installed. The issue is not limited to LBL but is across the WTP, and inspections will be done to

either verify the embeds or complete any repairs need to be done.

Significant Planned Actions in the Next Six Months - ORP stated that the critical path for LAW runs through the ventilation systems up to the 48-foot level, and there are no major issues or changes associated with the ventilation systems.

WTP Balance of Facilities (BOF); D-00A-12

ORP stated that the steam plant construction complete milestone is essentially done. There are a few punch list items that are ongoing to complete the steam plant. Oregon Department of Energy (ODOE) asked what the NLD system is in the water treatment plant. ORP responded that it is the non-rad liquid waste return system. ORP stated that another main activity is the prep work associated with the commercial grade dedication of the emergency turbine generator (ETG). Procurement of the ETG and the commercial grade dedication process is under close scrutiny by the QA and engineering teams.

Issues - ORP stated that the issue with the anchor bolts was caused by using the wrong table specifications in terms of depth relative to load. A review is being conducted, and if the depth is incorrect the bolts will be reinstalled or modified. ORP noted that there is an issue with the epoxy bolts in terms of the time, and corrective measures have been implemented until a longer-term solution is developed. Ecology asked if the bolts would cause an issue with either the steam plant construction or LAB construction milestones. ORP responded that there are about 2,000 bolts to be reviewed to ensure they are done correctly, but the issue is not expected to affect the milestone due dates.

WTP Analytical Laboratory (LAB); D-00A-05

ORP stated that the review process of the assessments and packages for the LAB construction substantially complete milestone will be started today. Following the review, the surveillance document will be transmitted to Ecology for review, and Bechtel's certification statement as required by the CD will also be provided.

Issues - ORP stated that RLD vessel 164 was procured, certified, stamped and tested in the procurement process. However, the quality documentation by the vendor was inadequate, and as a result weld repairs need to be done. ORP added that the weld repairs should not preclude declaring LAB construction substantially complete. Ecology asked if RLD-164 was the only vessel in LAB with a weld issue. ORP responded that it is the only vessel, but an inspection of the other vessels so far has not revealed the same weld issue. ORP noted that RLD-164 is comprised of a high corrosive-resistant alloy that is very difficult to do welds on.

Ecology asked if ORP is satisfied that the extent of condition was appropriate for the bolts that were inspected. ORP responded that the extent of condition has not yet been confirmed, but it will be. Ecology stated that a technical agreement has been reached with the ORP team that if there is a need for a punch list within the confines of substantially complete, a discussion would be held and the punch list items would need to be completed and certified within a certain time

frame. Ecology added that if RLD-164 welds are significant, a discussion would need to be held. ORP agreed, noting that the intention of the agreement is that regardless of the outcome, the chronology and documentation will be included as part of the package. ORP added that any item that is even remotely a question from any party will be included in the package, and a description of the question will be provided as to whether it is or is not an issue.

ORP stated that the seismic story drift is an issue with multiple-story facilities and ensuring that the structure doesn't impose loading on the seismic-qualified equipment inside. The addition of bellows or physical components will ensure the flex joints aren't damaged during vibration. ORP indicated the issue is manageable. The issue with the post-installed anchors is anticipated to be closed out in the December 2012 time frame.

EVMS - ORP stated that since the rebaselining for LBL, the earned value management system data going forward for LBL should be useful information in terms of performance.



Agenda
November 15, 2012
Office of River Protection Quarterly Milestone Review Meeting
 Ecology Offices, Conference Room 3A/B
Chairperson: Ellen Mattlin

Topic	Leads	Time
Statistics / Status	James Lynch / Dan McDonald / Jeff Lyon	8:30
Single-Shell Tank Corrective Action; M-45, -50, -60	Chris Kemp / Jeff Lyon	8:35
Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, - Tank in Appendix H Status - Tanks with Individual Milestones - Double-Shell Tank Closure - 242-A Evaporator Status SST Retrieval and Closure CD Milestones and TWRWP Status; D-00B series	Chris Kemp / Kathy Higgins / Jeff Lyon	8:40
SST Integrity Assurance; M-45-91	Jeremy Johnson / Michelle Hendrickson	8:55
In Tank Characterization and Summary	Billie Mauss / Michael Barnes	9:00
Tank Operations Contract (TOC) Overview	Daniel Knight / Jeff Lyon	9:05
Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald	9:15
Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald	9:20
System Plan; M-62-40	Dabrisha Smith / Jeff Lyon / Dan McDonald	9:25
WTP Overall TPA and CD Summary and Milestones Status; M-62-01; M-62-49; D-00A-01, -06, -17	Delmar Noyes / Dan McDonald	9:30
WTP Pretreatment (PT) Facility; D-00A-13, -14, -15, -16, -19	Delmar Noyes / Dan McDonald	9:50
WTP High-Level Waste (HLW) Facility; D-00A-02, -03, -04, -21	Delmar Noyes / Dan McDonald	9:55
WTP Low-Activity Waste (LAW) Facility; D-00A-07, -08, -09	Delmar Noyes / Dan McDonald	10:00
WTP Analytical Laboratory (LAB); D-00A-05		10:05
WTP Balance of Facilities (BOF); D-00A-12		10:10

Tri-Party Agreement Office of River Protection Milestone Review
November 15, 2012

<u>Name</u>	<u>Organization</u>
Terry Noland	MSA
Jeremy Johnson	ORP
Das Edwards	ORP
Chris Kemp	ORP
Cheryl Whaley	Ecology
John Price	Ecology
Larry Gadbois	EPA
Ellen Mattlin	DOE-ORP
Chris Harrington	DOE-ORP
Jim Lynch	DOE-ORP
Rob OIPPO	MSA
Steve Platt	ORP
Don MacBride	Eey
Shirley Simon	ODOE
JANE HEDGES	Ecology
Jack Donnelly	WRPS
Jim Alzheimer	Ecology
Steve Killog	WRPS
Billie Mauss	DOE-ORP
Kathy Knox	Knox Court Reporting

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Office of River Protection
Tri-Party Agreement
Monthly Summary Report
November 2012



Office of River Protection
Tri-Party Agreement Milestone Review
November 2012

Page	Topic	Leads
1	Administrative Items / Milestone Status	James Lynch / Dan McDonald / Jeff Lyon
2	Single-Shell Tank Corrective Action; M-45, -50, -60	Chris Kemp / Jeff Lyon
4	Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, <ul style="list-style-type: none">- Tank in Appendix H Status- Tank Retrievals with Individual Milestones	Chris Kemp / Jeff Lyon
5	Tank Waste Retrieval Work Plan Status	Chris Kemp / Jeff Lyon
6	Tank in Appendix H Status Tank Retrievals with Individual Milestones	Chris Kemp / Jeff Lyon
7	242-A Evaporator Status	Ron Koll / Jeff Lyon
8	SST Integrity Assurance; M-45-91	Jeremy Johnson/ Michelle Hendrickson
9	In Tank Characterization and Summary	Billie Mauss / Michael Barnes
12	Tank Operations Contract (TOC) Overview	Dan Knight / Jeff Lyon
17	Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald
18	Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald
19	System Plan; M-62-40	Dabrisha Smith / Jeff Lyon / Dan McDonald
20	WTP Overall TPA Summary and Milestone Status; M-62-01	Delmar Noyes / Dan McDonald

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2012				
M-062-40B	Submit System Plan	10/31/2011	10/21/2011	Completed
M-062-49	Sub. Report to ECY Demonstrating WTP Design Meets Vit. Criteria	10/31/2011	10/27/2011	Completed
M-045-91B	DOE Submit a Sampling and Analysis Plan to Ecology	12/30/2011	9/20/2011	Completed
M-045-92F	Meet Yearly on Performance of Barrier	12/31/2011	11/30/2011	Completed
M-045-91G-T02	Provide AOR Final Doc. for SSTs on 750,000 Gallon Tanks	1/31/2012	11/18/2011	Completed
M-062-01X	Submit Semi-Annual Project Compliance Report	1/31/2012	1/27/2012	Completed
M-045-91D	Submit Analytical Test Plan for Cores Removed from C-107 Plug	3/31/2012	6/27/2011	Completed
M-045-91G-T06	Provide Report of the Visual Inspection of 12 SSTs M-045-91G-T05	3/31/2012	03/12/2012	Completed
M-045-92M	Barrier 2 Design/Monitoring Submittal to Ecology	6/30/2012	5/19/2011	Completed
M-047-06	Comp. Neg's of No More Than 2 Interim Milestones	6/30/2012	Missed	Missed
M-062-01Y	Submit Semi-Annual Project Compliance Report	7/31/2012	7/27/2012	Completed
M-045-56H	Meet Yearly to Discuss Interim Measures	7/31/2012	6/21/2012	Completed
Fiscal Year 2013				
M-045-20	Submit Interim Measures Investigation Work Plan and TPA Chg Pckgs for M-045-22 Target Dates	12/31/2012		On Schedule
M-090-11	Comp. Neg's No More Than 2 Canister Storage Fac. Const. Int. M/S	12/31/2012		To Be Missed
M-062-01Z	Submit Semi-Annual Project Compliance Report	1/31/2013		On Schedule
M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	1/31/2013		To Be Missed
M-045-21	Submit Sampling and Analysis Plan for 241-TX Tank Farm	3/31/2013		On Schedule
M-045-91D-T01	Provide Report on the Concrete Dome Samples from Tank C-107 Plug	5/31/2013		On Schedule
M-045-91F-T03	Provide Report on Testing for Ionic Conductivity of SSTs	5/31/2013	05/02/2012	Completed
M-045-91F-T02	Provide Report of Liner Failures for SSTs	7/31/2013		To Be Missed
M-045-91F-T04	Provide Report on 100-Series SSTs as having Leaked in RPP-32681	7/31/2013		To Be Missed
M-045-91E	Provide SST Farms Dome Deflection Surveys Every Two Years	9/30/2013		On Schedule
M-045-91G-T03	Provide AOR Final Doc. for SSTs on 1,000,000 Gallon Tanks	9/30/2013		On Schedule

WBS 5.2 Retrieve and Close Single Shell Tanks

M-045-20, Submit Interim Measure Investigation Work Plan to Ecology, Due: 12/31/12, Status: On Schedule. ORP will submit to Ecology for review and approval an interim measures investigation work plan for to vadose zone characterization at 241-TX Farm and 241-U Farm, and soil desiccation/contaminant removal proof-of-principal test at 241-SX Farm. The work plan will also be submitted with a TPA Change Package to establish milestone due date for M-045-22 and target dates for submittal of three secondary documents, see M-045-22-T01, -T02, and -T03. Added per TPA change package M-45-12-04.

M-045-21, Submit for Review and Approval a Sampling and Analysis Plan to Ecology for Soil Samples for 241-TX Tank Farm Investigation, Due: 03/31/2013, Status: On Schedule. Further description of this SAP will be provided in the Work Plan submitted under M-045-20. Added per TPA change package M-45-12-04.

M-045-22-T01, Submit Results of Vadose Zone Characterization of 241-TX to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. Added per TPA change package M-45-12-04.

M-045-22-T02, Submit Results of Vadose Zone Characterization of 241-U to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. Added per TPA change package M-45-12-04.

M-045-22-T03, Submit SX Soil Desiccation/Contaminate Removal Tech Results to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. Added per TPA change package M-45-12-04.

M-045-22, Review M-045-22-T03 Report and Determine Path Forward, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. This ORP/Ecology decision point will determine whether to continue with soil desiccation/contaminant removal testing and other interim measures, and if remaining work in Milestone M-045-92 should be modified. Added per TPA change package M-45-12-04.

M-045-58, Submit to Ecology for Review and Approval as an Agreement primary document, a phase 2 CMS Master Work Plan, Due: 12/31/2008 Status: Complete. The outstanding issues involved integration of RCRA and CERCLA requirements, and the definition of a schedule for future RFI/CMS Work Plan development and implementation. With the development of the RCRA/CERCLA Integration White Paper (under M-045-80), DOE believes that the path to soil corrective measures implementation involves a modification to the RCRA Permit for SST Closure, and a ROD to address the CERCLA requirements. In addition, modifications to milestone M-045-84 and M-045-85 have now been made to explicitly define the requirements for schedule development for future RFI/CMS Work Plans, RFI/CMSs and Corrective Measures Implementation Plans. Thus all outstanding issues for the M-045-58 deliverable have been addressed, and this milestone may be considered closed. Ecology is preparing a letter on this milestone. After this deliverable is closed via Ecology's letter, future updates will be tracked on the ORP Key Documents List.

M-045-59, Control surface water infiltration pathways as needed to control or significantly reduce the likelihood of migration of subsurface contamination to groundwater at the SST WMAS (pending the CMS report, milestone M-45-58, and implementation of other interim corrective measures), Due: TBD, Status: On Schedule

M-045-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RFI/CMS Report for WMA C, Due: 12/31/2014, Status: At Risk

M-045-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Study Implementation Plan for WMA C, Due: 06/30/2015, Status: At Risk

M-045-92, DOE and Ecology will establish selection criteria for installation of additional interim barriers at additional WMAs (beyond the T-106 and TY barriers), Due: 09/30/2017, Status: On Schedule. This milestone date has been modified according to M-45-12-04 and the decision to move forward with construction/design of additional barriers dependent on discussions per M-045-22.

M-045-92N, Construct Barriers 1 and 2 in 241-SX Farm Due: 10/31/15, Status: On Schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

M-045-92O, Submit a Final Design and Monitoring Plan for Interim Barrier 3 Due: 06/30/15, Status: On Schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

Significant Past Accomplishments:

- Automated data collection system for T-Farm interim barrier monitoring continues gathering data.
- Automated data collection system for TY Interim Barrier monitoring continues gathering data.
- TPA change notice 2012-09 was provided to Ecology, documenting proposed changes to the TY Interim Surface Barrier Monitoring Plan.
- Results of evaluation of barrier monitoring data were documented and published.

Significant Planned Actions in the Next Six Months:

- Perform planning for Fiscal Year 2013 Interim Measures activities.
- Revise the TY Interim Surface Barrier Monitoring Plan, once TPA change notice 2012-09 is approved.
- Perform verification and validation of the laboratory analysis of direct push soil samples previously obtained in C farm.
- Provide the interim measures investigation Work Plan for M-045-20.
- Provide the Sample Analysis Plan for 241-TX Farm for M-045-21.
- Initiate field work under the M-045-20 work plan.

SST Retrieval and Closure Program

M-045-82, Submit complete permit mod requests for Tiers 1, 2, & 3 of the SST, Due:
9/30/2015 Status: At Risk

M-045-84, Complete negotiations of TPA interim MS for closure of second WMA, Due:
1/31/2017, Status: On Schedule

M-045-83, Complete the closure of WMA C, Due: 6/30/2019, Status: On Schedule

M-045-85, Complete negotiations of TPA interim MS for closure of remaining WMAs, Due:
1/31/2022, Status: On Schedule

M-045-70, Complete waste retrieval from all remaining SSTs, Due: 12/31/2040, Status: On Schedule

M-045-00, Complete Closure of all Single Shell Tank Farms, Due: 1/31/2043, Status: On Schedule

M-045-86, Submit retrieval data report to Ecology for 19 tanks retrieved, Due: TBD (12 months after retrieval certification), Status: On Schedule

Significant Past Accomplishments:

- See discussions above and related discussions in Consent Decree report.

Significant Planned Activities in the Next Six Months:

- See discussions above and related discussions in Consent Decree report.

Issues:

The WMA-C performance assessment is not funded currently in fiscal year 2013. ORP needs to restart the WMA-C performance assessment by March 31, 2013 or milestone M-45-82 will be missed, and will require that other existing data be utilized for M-45-61 and M-45-62 to keep the their existing milestone dates. ORP is working to identify funding to restart the WMA-C performance assessment on or before March 31, 2013.

Tank Waste Retrieval Work Plan (TWRWP) Status

Tank	TWRWP	Expected Revisions	Retrieval Technology	Second Technology	Third Technology
C-101	RPP-22520, Rev. 7	Complete	MRS (per 10/7/10 agreement, to be Modified Sluicing)	High-Pressure Water with ERSS	-
C-102	RPP-22393, Rev. 6A	In Process	Modified Sluicing	High-Pressure Water with ERSS	-
C-104	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution	-
C-105	RPP-22520, Rev. 7	Complete	MARS-V	High pressure water spray/M A RS platform	-
C-107	RPP-22393, Rev. 6A	Complete	MARS-S	MARS-High Pressure	-
C-108	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution	-
C-109	RPP-21895, Rev. 5	Complete	Modified Sluicing	Chemical Dissolution	-
C-110	RPP-33116, Rev. 2	In process	Modified Sluicing	None (to be revised to In-Tank Vehicle)	-
C-111	RPP-37739, Rev. 1	In process	Modified Sluicing	None (to be revised to In-Tank Vehicle)	-
C-112	RPP-22393, Rev. 6A	In process	Modified Sluicing	Chemical Dissolution	-

Significant Accomplishments

None.

Significant Planned Activities in the Next 6 Months:

Work with Ecology on updates to TWRWPs RPP-22393, RPP-33116, and RPP-37739 for tanks C-102, C-110, C-111, and C-112.

Issues:

None.

Tank in Appendix H. Status - Single Shell Waste Retrieval Criteria

Tank 241-C-106

Significant Past Accomplishments:

None

Significant Planned Activities in the Next Six Months:

Continue U.S. Nuclear Regulatory Commission (NRC) review of the C-106 exception request. A Request for Additional Information (RAI) was received from the NRC in February 2009.

Issues:

It has been discussed with the NRC that much of the additional information requested is dependent upon development of C-Farm residual waste PA and, therefore, cannot be provided until the PA is published.

Tank Retrievals with Individual Milestones

Tank 241-A-103

M-045-15, Completion of Tank A-103 SST Waste Retrieval, Due: 9/30/22 Status: On schedule. Change package M-45-11-04 replaced tank S-102 with tank A-103 and changed to milestone completion date for M-045-15 to 09/30/2022.

M-045-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I, Due: 9/30/22, Status: On schedule. Updated with tank A-103 and due date of 9/30/22 per M-45-11-04 Change Package.

M-045-15D, Embedded Milestone, if appropriate, DOE will request an exception to waste retrieval criteria pursuant to Agreement Appendix H, Due: 9/30/22, Status: On Schedule. Updated with A-103 tank and due date of 9/30/22 per M-45-11-04 Change Package.

Significant Past Accomplishments:

Change Package M-45-11-04 was signed by ORP and Ecology on 04/19/11.

Significant Planned Activities in the Next Six Months and Issues:

None

Tank 241-S-112

M-045-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project, Due: TBD (in accordance with M-045-84 or M-045-85), Status: On Schedule

M-045-13E, Complete Negotiations for Interim Milestones for Closure of S-112, Due: TBD Status: On Schedule as part of M-045-84 or M-045-85.

Significant Past Accomplishments:

Ecology letter of January 7, 2008, concurred with ORP that retrieval of Tank S-112 is complete.

Significant Planned Activities in the Next Six Months or Issues:

None

242-A Evaporator Status (previously reported under Milestone M-48, which has been closed out)

242-A Campaign strategy:

The 242-A Campaign Strategy for FY2010 through FY2015 depicted below has been updated based on ORP-11242, River Protection Project Plan, Revision 6, and ongoing schedule integration efforts.

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY10	10-01	AW-106	AW-106	Campaigns 10-01/10-02 were performed back-to back starting in late August and completing in early October 2010. Campaign 10-02 was an acceleration of previously planned Campaign 11-01.
FY10	10-02	AW-106	AW-106	
FY11	NA	NA	NA	No campaign conducted in FY11 due to ongoing 242-A and Tank Farm facility life extension and ARRA funded upgrades.
FY12	NA	NA	NA	No campaign conducted in FY12 due to ongoing 242-A and Tank Farm facility upgrades and revision to the 242-A Documented Safety Analysis (DSA).
FY13	13-01	AP-107	AP-107	Estimated start July 2013. May require two (2) passes to achieve waste volume reduction.
FY13	13-02-	AW-106	AW-106	Estimated start September 2013.
FY14	14-01	AN-106 AZ-102 AW-106	AP-107	Estimated start March 2014. Two (2) passes required.
FY15	15-01	AY-101 AZ-102	AP-107	Estimated start March 2015. Three (3) passes required.
FY15	15-02	AY-101	AP-107	Estimated start August 2015. Four (4) passes required.

SST Integrity Assurance

M-045-91F-T01, Provide to Ecology as a HFFACO secondary document a report evaluating the applicability to Hanford SSTs of the liquid leak rate assessments of sludge and salt-cake from the Savannah River Site, Due: 1/31/2013, Status: To Be Missed. TPA change package M-45-12-01, moving M-45-91F-T01 and G-T03 out one year was signed by ORP and Ecology on 01/23/12.

M-045-91D-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis performed on the concrete dome samples obtained from the Tank C-107 plug, Due: 5/31/2013, Status: On schedule.

M-045-91F-T03, Provide to Ecology, as a HFFACO secondary document a report assessing the feasibility of testing for ionic conductivity between the inside and outside of SSTs, Due: 5/31/2013, Status: Complete 05/02/2012. (ORP letter 12-TF-0009)

M-045-91F-T02, Provide to Ecology as a HFFACO secondary document a report evaluating the common factors of liner failures for SSTs that have leaked and will provide recommendations as appropriate, such as enhanced Leak Detection, Monitoring, and Mitigation, Due: 7/31/2013, Status: To Be Missed.

M-045-91F-T04, provide to Ecology, as a HFFACO secondary document, a report on the 100-series single-shell tanks which have been or will be identified as having leaked in RPP-32681, Rev 0, Due: 7/31/2013, Status: To Be Missed.

M-045-91G-T03, Provide to Ecology the Structural Analyses of Record final documentation for SSTs for 1,000,000 gallon tanks (A, AX and SX Farms), Due: 9/30/2013, Status: On Schedule. TPA change package M-45-12-01, moving M-45-91F-T01 and G-T03 out one year was signed by ORP and Ecology on 1/23/2012.

M-045-91E, Provide to Ecology a compilation of the Single-Shell Tank farms dome deflection surveys every two years, beginning 9/30/2013, Due: 9/30/2013, Status: On schedule.

M-045-91G-T04, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 55,000 gallon tanks (B, C, T and U Farms), Due: 10/31/2013, Status: To Be Missed.

M-045-91F, Provide to Ecology a report (Summary Conclusions Report on Leak Integrity) summarizing and evaluating the information submitted under M-045-91F-T01 through -T04, Due: 12/31/2013, Status: To Be Missed.

M-045-91G, Provide a Summary Conclusions Report of Structural Analysis of Record (AOR) for SSTs, Due: 4/30/2014, Status: To Be Missed.

M-045-91B-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis, performed on the concrete core obtained from Tank A- 106 or alternate tank, Due: 9/30/2014, Status: On schedule.

M-045-91H, Submit a change package (if deemed necessary by DOE and Ecology) to establish additional milestones based on information obtained from the actions in the preceding M-045-91 series milestones to date, Due: 7/31/2015, Status: On schedule.

M-045-91I, Provide to Ecology an IQRPE certification of SSTs structural integrity for the remainder of the mission, or for such time as the IQRPE believes he/she can reasonably certify, Due: 9/30/2018, Status: On schedule.

Significant Past Accomplishments:

- None.

Significant Planned Actions in the Next Six Months:

- Meet with Ecology to discuss "To Be Missed" target dates and interim milestone impacts.

Issues:

- FY2012 and FY2013 funding constraints have impacted M-045-91 scheduled work. ORP intends to meet and discuss impacts on individual milestones and targets dates for FY2013 and beyond with Ecology and work towards a path forward per the TPA Section 12.0 Change Process.

In Tank Characterization and Summary

For the period from October 1 – October 31, 2012:

Accomplishments:

- Completed RPP-PLAN-44844, Rev. 1, *Sampling and Analysis Plan for Waste Solids in Tank 241-C-104 to Support Tank Closure.*
- Completed RPP-PLAN-53478, Rev. 0, *Tank 241-C-112 Crust Sampling and Analysis Plan.*
- Completed RPP-PLAN-52884, Rev. 0, *ORSS Sampling and Analysis Plan for Waste Solids in Tank 241-C-107 to Support Tank Closure.*
- Completed RPP-53277, Rev. 0, *Tank 241-C-112 Crust Sampling Data Quality Objectives.*
- Completed RPP-RPT-44049, *Derivation of Best-Basis Inventory for Tank 241-AZ-102 as of July 1, 2012.*
- Completed RPP-RPT-44630, *Derivation of Best-Basis Inventory for Tank 241-AY-102 as of July 1, 2012*
- Completed RPP-RPT-44637, *Derivation of Best-Basis Inventory for Tank 241-AZ-101 as of July 1, 2012*
- Completed RPP-RPT-44814, *Derivation of Best-Basis Inventory for Tank 241-AN-101 as of July 1, 2012*
- Completed RPP-RPT-45764, *Derivation of Best-Basis Inventory for Tank 241-AN-102 as of July 1, 2012*

- Completed RPP-RPT-43992, *Derivation of Best-Basis Inventory for Tank 241-AN-106 as of July 1, 2012*
- Completed RPP-RPT-48639, *Derivation of Best-Basis Inventory for Tank 241-AP-104 as of July 1, 2012*
- Completed RPP-RPT-43979, *Derivation of Best-Basis Inventory for Tank 241-AY-101 as of July 1, 2012*
- Completed RPP-RPT-46616, *Derivation of Best-Basis Inventory for Tank 241-C-104 as of July 1, 2012*
- Completed RPP-RPT-48745, *Derivation of Best-Basis Inventory for Tank 241-C-107 as of July 1, 2012*
- Completed RPP-RPT-51343, *Derivation of Best-Basis Inventory for Tank 241-C-109 as of July 1, 2012*
- Completed solid sampling of the 241-AY-102 annulus. One sample (2AY-12-ANU1) was taken of the floor material near Riser 83 on Wednesday, September 26 using the WRPS Off-riser Sampling System (ORSS) crawler, which was deployed through Riser 91. Two additional samples were taken of the air slot (2AY-12-ANU3) and mound material (2AY-12-ANU5) on Monday, October 15 using the AREVA annulus sampling system deployed through Riser 90. Due to an insufficient amount of material collected from these two locations on the initial sampling attempt, a second set of samples, 2AY-12-ANU3A and 2AY-12-ANU5A, were taken on Wednesday, October 17 using the AREVA annulus sampling system.
- RPP-RPT-53511, Rev. 0, *Final Report for Tank 241-AY-102 Annulus Solid Sample taken In August, 2012* was released on October 8, 2012.
- RPP-RPT-53118, Rev. 0, *Final Report for Tank 241-C-104 Liquid Samples in Support of hard Heel Dissolution for Fiscal Year 2012* was released on October 16, 2012.

Planned Action within the next Six Months:

- Tank Sampling
 - Tank 241-C-104 ORSS sampling for closure is currently scheduled for November/December 2012.
 - Tank 241-AN-106 grab sampling for chemistry control is currently scheduled for November 2012.
 - Tank 241-AW-106 grab sampling for the evaporator is currently scheduled for December 2012.
 - Tank 241-AN-102 grab sampling for chemistry control is currently scheduled for April 2012.
 - Tank 241-SY-102 grab sampling for chemistry control is currently scheduled for January 2012.
 - Tank 241-C-109 ORSS sampling for closure is currently scheduled for March 2012.
- BBI Updates: The following tanks have been identified for updates in FY13 Quarter 1. The BBI updates will be released in January 2013.

▪ 241-AN-101	▪ 241-AW-106
▪ 241-AN-106	▪ 241-AZ-102
▪ 241-AP-101	▪ 241-C-107
▪ 241-AP-102	▪ 241-C-109
▪ 241-AP-105	▪ 241-C-109

- Data Quality Objectives (DQO)
 - A DQO for Phase 1 Testing of Tanks AN-102 and AN-107 Sr/TRU Precipitation Process is due to be released in November 2012.
 - A DQO on a Solubility Model is due to be released in January 2012.

Issues:

None.

TANK OPERATIONS CONTRACT (TOC) OVERVIEW

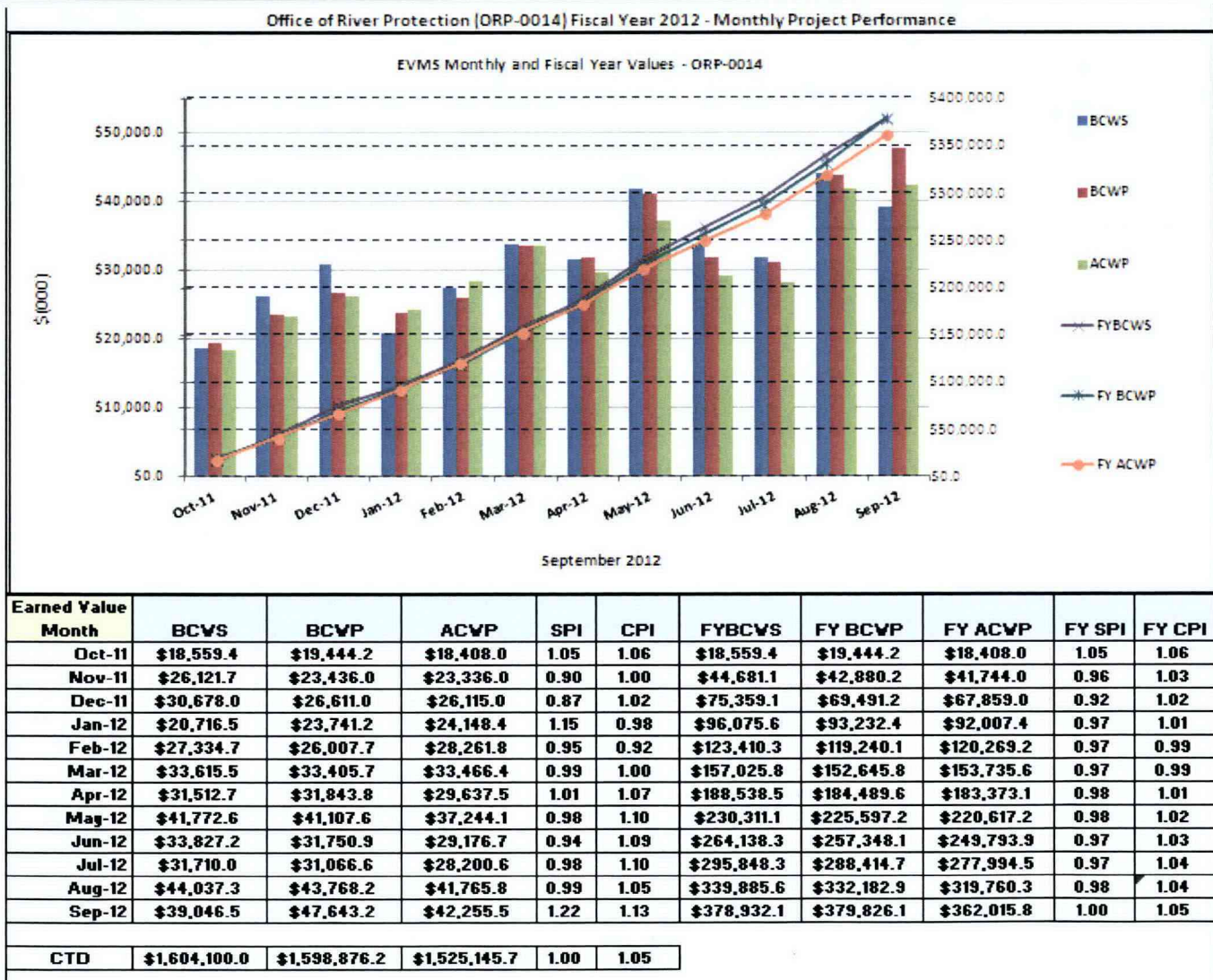
Project Performance

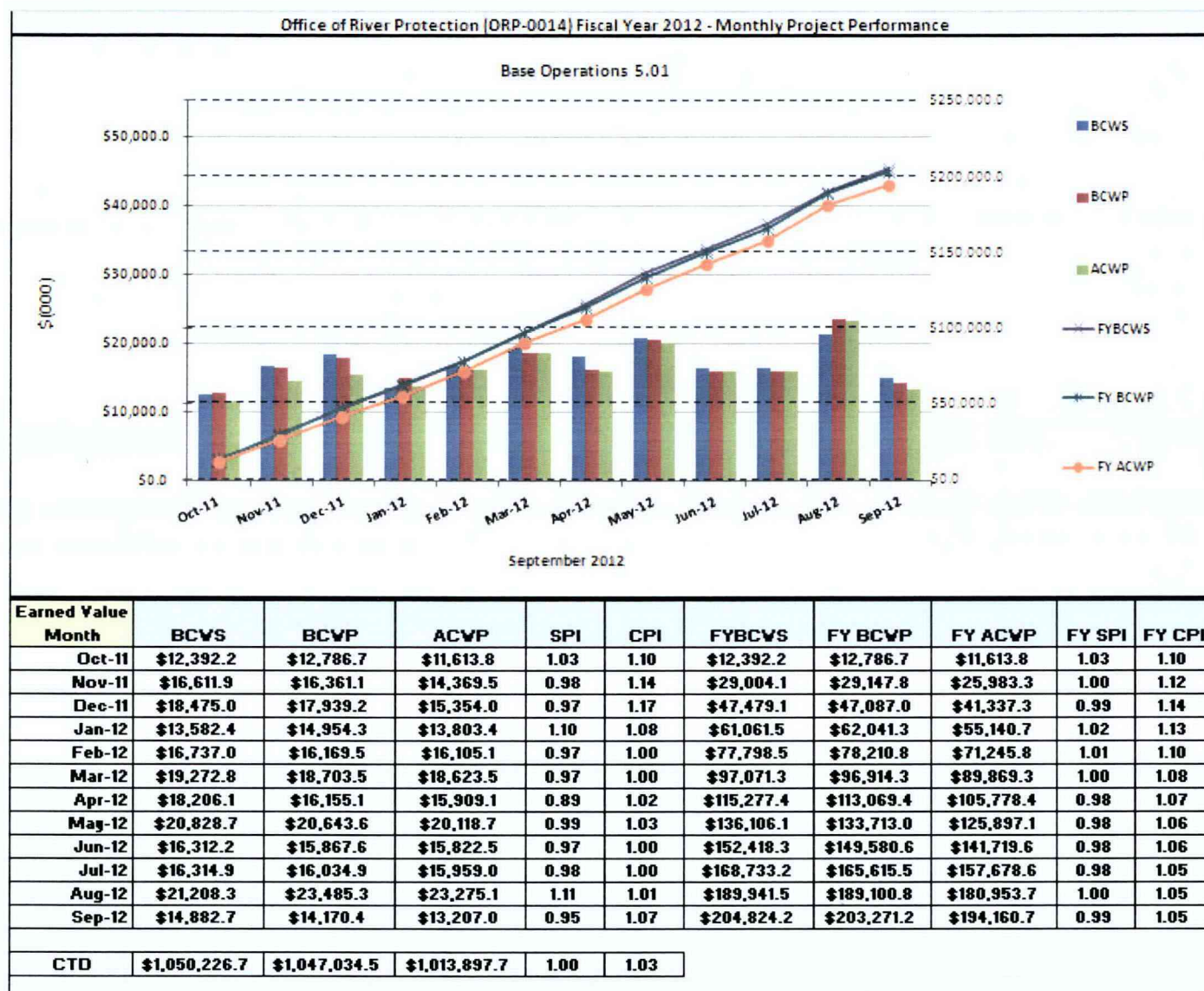
The earned value performance reporting reflects the format, Work Breakdown Structure (WBS) reporting levels, and variance thresholds as agreed to with the Tank Farms Operations Contractor (TOC) for monthly performance reporting. The earned value analysis is not intended to be a measurement of performance against existing Tri-Party Agreement Milestones.

As of September 30, 2012, Washington River Protection Solutions LLC (WRPS) worked 5,196,693 hours (538 days) without a Lost Time Workday Injury and 170,703 hours (18 days) without a Recordable case. There were no Days Away, Restricted, or Transferred (DART) cases in September.

WRPS Project Performance - (\$k)										
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	39,046.5	47,643.2	42,255.5	8,596.7	5,387.7	1.22	1.13			
FYTD	378,932.5	379,826.4	362,015.4	893.9	17,811.0	1.00	1.05	378,932.5	362,015.4	16,917.1
CTD	1,604,100.0	1,598,876.2	1,525,145.7	(5,223.8)	73,730.5	1.00	1.05	2,005,067.0	1,930,331.7	74,735.3

Red shaded cells indicates a SPI/CPI less than .90;
 Green shaded cells indicate a SPI/CPI between .90 and .99; and
 Blue shaded indicates a SPI/CPI greater than or equal to 1.0





Base Operations

Schedule Variance (\$712.2K):

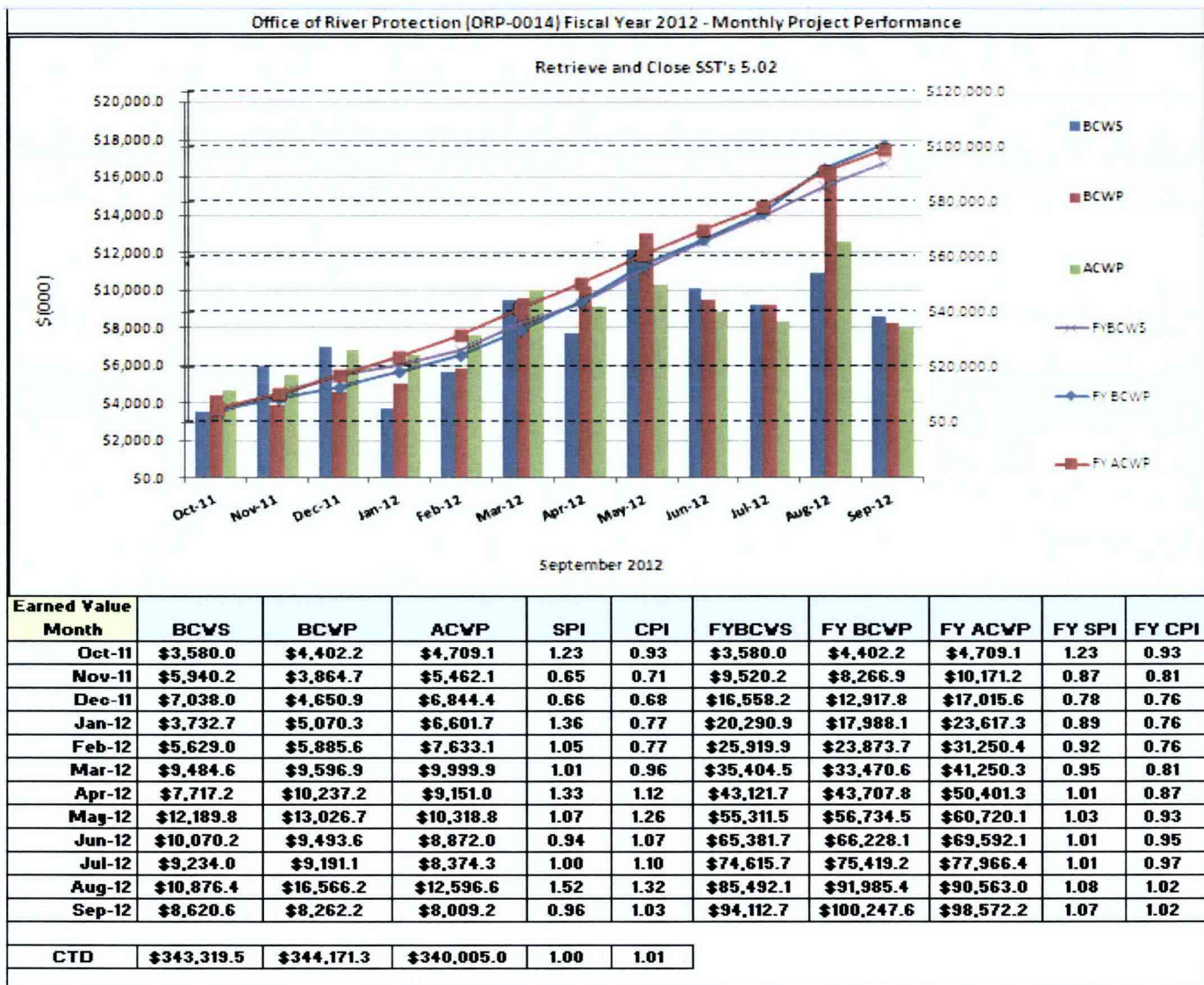
The unfavorable schedule variance is primarily due to:

- DST to DST transfers
- Level rise/leak check, performance “give-back”, (budget in the CM for work completed early) on DST to DST transfers
 - work was performed early to mitigate potential transfer impacts from the justifications for continued operations for water hammer, freezing and solids precipitation/deposition

Cost Variance (\$848K):

The unfavorable cost variance is primarily due to:

- Base Operations Farms A/AX/AY/AZ, emergent, unplanned workscope to identify the unknown substance within the annulus of DST AY-102
- Base Operations Support Services, higher drawdown from the two tool cribs, the supply warehouse, and the green hut resulting from increased field activities performed in the tank farms



Single-Shell Tanks

Cost Variance (\$2,747K):

The unfavorable cost variance is primarily due to:

- Increased costs in C-107 relates to hard heel removal and tank retrieval operations, hard heel removal was not possible due to failure and pending replacement of the AN-106 supernate pump

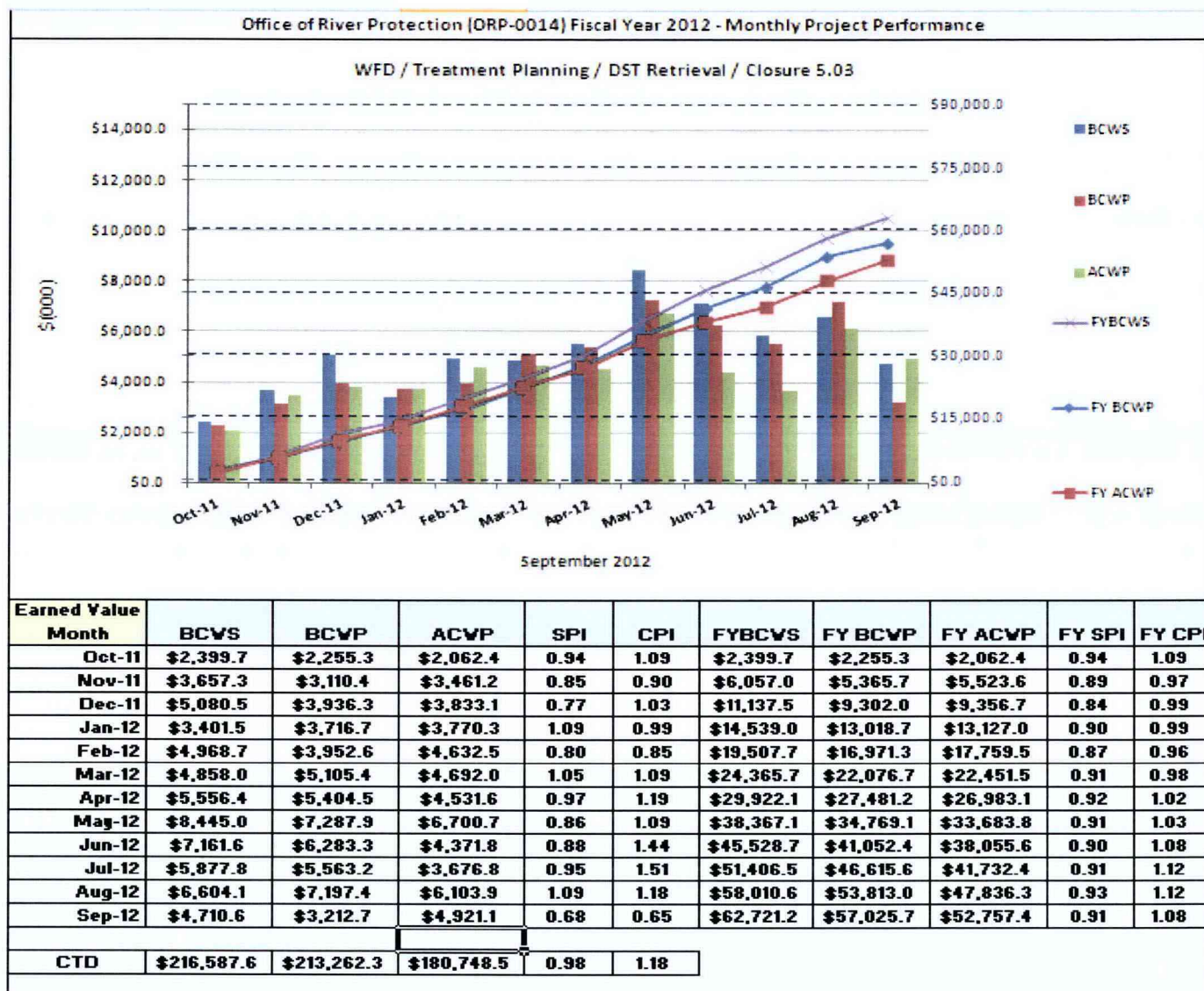
The favorable CV was partially offset by:

- Efficiencies in C-Farm Infrastructure DST Receiver Tank 4, finishing the HIHTL replacement and starting the AN-101 pump replacement

Schedule Variance (\$358.4K):

The unfavorable schedule variance is primarily due to:

- Delay in resource allocation in C-112 sampling for the hard heel removal, sampling which resulted in a 4-month delay, work will be carried over to FY 2013

**Waste Feed Delivery/Treatment/DST Retrieval Closure**Schedule Variance \$502K:

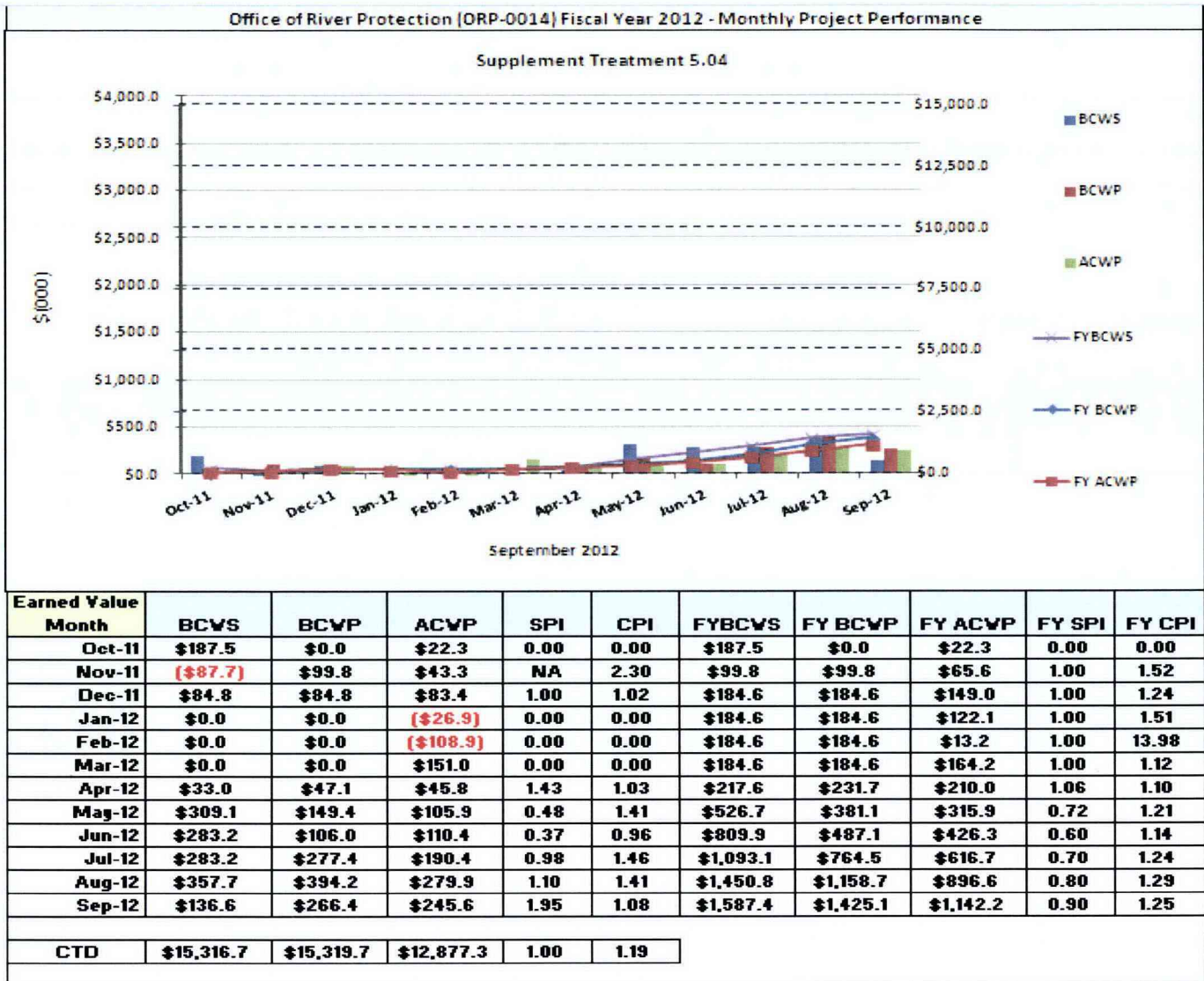
The favorable schedule variance is primarily due to:

- Schedule recovery for completion of limits-of-performance testing on the SSMD, the remote sampler demonstration, and the full-scale transfer pump

Cost Variance (\$224K):

The unfavorable cost variance is primarily due to:

- WFD Tank Mixing & Sampling, result of dividing resources and costs with the DNFSB 2010-2 workscope and testing on the SSMD platform



Supplemental Treatment

- None

Acquisition of New Facilities

M-090-11, Complete the Negotiation of No More Than Two Canister Storage Facility Construction Interim Milestones, Due: 12/31/12, Status: To Be Missed. Formal notification to miss this milestone was provided to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. ORP and Ecology held a negotiation meeting on 08/21/12 to discuss the M-047-06 and M-090-11 milestones. Please see issues below.

M-090-00, Acquire/modify facilities for storage of IHLW, Due: 12/31/2019, Status: On Schedule

M-047-06, Complete negotiation of no more than two interim milestones governing work necessary to support completion of M-047-00, Due: 06/30/12, Status: Missed. Formal notification to miss this milestone was provided to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. ORP and Ecology held a negotiation meeting on 08/21/12 to discuss the M-047-06 and M-090-11 milestones. Please see issues below.

M-047-00, Complete Work Necessary to provide facilities for management of secondary waste from the WTP, Due: 12/31/2022, Status: On Schedule

Significant Past Accomplishments:

Interim Hanford Storage: Nothing to report.

Secondary Liquid Waste Treatment Project: Nothing to report.

Significant Planned Actions in the Next Six Months:

None.

Issues:

ORP submitted signed TPA Change Packages M-47-12-01 and M-90-12-01 to Ecology on 06/13/12 to defer negotiation of these milestones to a To Be Determined (TBD) date to be established 12 months following completion of the River Protection Plan (RPP) Waste Treatment Plant (WTP) re-baseline/re-planning efforts. Ecology provided letters 12-NWP-101 and 12-NWP-100 disapproving M-47-12-01 and M-90-12-01 TPA Change Packages to ORP on 06/25/12. Formal notification to miss milestones M-047-06 and M-090-11 provide to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. Ecology issued a Notice of Violation (NOV) for M-047-06 on 07/12/12 per letter 12-NWP-118. ORP received Ecology letter 12-NWP-122, Docket Number 9402, stipulating a penalty of \$5,000 for missing M-047-06 on 07/19/12. ORP paid this penalty on 07/27/12. ORP and Ecology held a negotiation meeting on 08/21/12 to discuss the M-047-06 and M-090-11 milestones.

Supplemental Treatment and Part B Permit Applications

M-062-40ZZ, Submit a one-time Tank Waste Supplemental Treatment Technologies report if a supplemental treatment technology is proposed other than a 2nd LAW, Due:
10/31/2014, Status: On Schedule.

M-062-45ZZ, Negotiate a one-time supplemental treatment selection, Due: 4/30/2015,
Status: On schedule. Negotiations are not yet underway.

M-062-45ZZ-A, Convert M-062-31-T01 through M-062-34-T01 to Interim Milestones, Due:
4/30/2015, Status: On Schedule.

M-062-31-T01, Complete final design and submit RCRA Part B permit mod request, Due:
4/30/2016, Status: On schedule

M-062-32-T01, Start construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: 4/30/2018, Status: On schedule

M-062-33-T01, Complete construction of supplemental vitrification treatment facility and/or WTP enhancements, Due: 4/30/2021, Status: On schedule

M-062-45XX, No later than 12/31/2021, the DOE and Ecology shall complete negotiations to establish a mechanism that will apply to resolve future disputes regarding the determinations in M-062-45, paragraphs 4 and 5, due: 12/31/2021, Status: On Schedule

M-062-34-T01, Complete hot commissioning of supplemental vitrification treatment facility and/or WTP enhancements, Due: 12/30/2022, Status: On schedule

M-062-21, Annually, submit data that demonstrates operation of the WTP, Due: 2/28/2023,
Status: On Schedule

M-062-00, Complete Pretreatment Processing and Vitrification of HLW and LAW Tank Wastes, Due: 12/31/2047, Status: On Schedule

Significant Past Accomplishments:

None

Significant Planned Actions in the Next Six Months:

None

Issues:

None

System Plan

M-062-40B, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2011, Status: Completed 10/24/2011 via DOE-ORP/ECY joint signature letter 11-TPD-087.

M-062-40C, Select a minimum of three scenarios that will be analyzed in the system plan, Due: 10/31/2013, Status: On Schedule

M-062-40D, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2014, Status: On Schedule

M-062-45-T01, Every six years, within six-months after last revision of the System Plan, negotiate tank waste retrieval sequencing, Due: 4/30/2015, Status: On Schedule

Significant Past Accomplishments:

DOE/ORP submitted the River Protection Project System Plan, Revision 6, with a joint Ecology signature to EPA on October 24, 2011.

Significant Planned Actions in the Next Six Months:

None

Status:

During the May 2012 ORP/Ecology TPA Quarterly Meeting, it was stated that five proposed/draft scenarios/cases were submitted to Washington River Protection Solutions LLC (WRPS) for System Plan 6 Addendum (SP6A). No verbal or written direction has been provided to WRPS to begin simulation/modeling of the proposed/draft scenarios.

Since then, various circumstances have occurred, in which the five proposed/draft scenarios are no longer considered scenarios. No new scenarios have been proposed for SP6A. System Plan 7 is still on schedule to begin in the May-August 2013 time frame.

Issues:

In the October 23, 2012 TPA Project Managers meeting Dan Mc Donald, Ecology, informed ORP that system plan development for FY 14 could not move forward until ORP had read and responded to the comments in the headquarters document, "External Technical Review for Evaluation of System Level Modeling and Simulation Tools in Support of Hanford Site Liquid Waste Process". Dan asked for a meeting with ORP and WRPS as soon as they had read the document and were able to brief him on where they thought they were going with comment response development.

WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP) PROJECT

Number	Title	Due Date	Status
M-062-01Z	Submit Semi-Annual TPA Project Compliance Report	01/31/2013	On Schedule

***SEE THE NOVEMBER 2012 ORP CONSENT DECREE 08-5085-FVS
MONTHLY SUMMARY REPORT FOR WTP FACILITY-SPECIFIC
INFORMATION**

FINAL

Office of River Protection
Consent Decree 08-5085-FVS
Monthly Summary Report
November 2012

Office of River Protection
Consent Decree 08-5085-FVS
Monthly Summary Report
November 2012

Page	Topic	Leads
3	Statistics / Status	James Lynch / Dan McDonald / Jeff Lyon
5	SST Retrieval and Closure – D-00B-01, -02, -03, -04	Chris Kemp / Jeff Lyon
6	Tank Waste Retrieval Work Plan (TWRWP) Status – Consent Decree Appendix C	Chris Kemp / Jeff Lyon
7	SST Retrieval Monthly and Fiscal Year EVMS Data	Dan Knight / Jeff Lyon
8	WTP - Immobilization Plant Project – D-00A-06, D-00A-17, D-00A-01	Delmar Noyes / Dan McDonald
10	WTP Pretreatment (PT) Facility – D-00A-18, -19, -13, -14, -15, 16	Wahed Abdul / Dan McDonald
13	High-Level Waste (HLW) Facility – D-00A-20, -21, 02, 03	Wahed Abdul / Dan McDonald
16	Low-Activity Waste (LAW) Facility – D-00A-07, -08, -09	Jeff Bruggeman / Dan McDonald
18	Balance of Facilities (BOF) – D-00A-12	Jason Young / Dan McDonald
20	Analytical Laboratory (LAB) – D-00A-005	

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2012				
D-00C-02L	Submit to Ecology and Oregon Monthly Summary Reports	10/31/11	10/25/11	Completed
D-00C-02M	Submit to Ecology and Oregon Monthly Summary Reports	11/30/11	11/21/11	Completed
D-00C-02N	Submit to Ecology and Oregon Monthly Summary Reports	12/31/11	12/27/11	Completed
D-00C-02O	Submit to Ecology and Oregon Monthly Summary Reports	01/31/12	01/25/12	Completed
D-00C-01D	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	01/31/12	01/27/12	Completed
D-00C-02P	Submit to Ecology and Oregon Monthly Summary Reports	02/29/12	02/22/12	Completed
D-00C-02Q	Submit to Ecology and Oregon Monthly Summary Reports	03/31/12	03/31/12	Completed
D-00C-02R	Submit to Ecology and Oregon Monthly Summary Reports	04/30/12	04/26/12	Completed
D-00C-02S	Submit to Ecology and Oregon Monthly Summary Reports	05/31/12	05/29/12	Completed
D-00C-02T	Submit to Ecology and Oregon Monthly Summary Reports	06/30/12	06/29/12	Completed
D-00C-02U	Submit to Ecology and Oregon Monthly Summary Reports	07/31/12	07/26/12	Completed
D-00C-01E	Submit to Ecology and Oregon Semi-Annual Report Documenting Progress During Previous 6 Month Period	07/31/12	07/27/12	Completed
D-00C-02V	Submit to Ecology and Oregon Monthly Summary Reports	08/31/12	08/22/12	Completed
D-00C-02W	Submit to Ecology and Oregon Monthly Summary Reports	09/30/12	09/29/12	Completed
Fiscal Year 2013				
D-00C-02X	Submit to Ecology & State of Oregon Monthly Summary Report	10/31/2012	10/31/2012	Completed
D-00C-02Y	Submit to Ecology & State of Oregon Monthly Summary Report	11/30/2012		On-going
**D-00C-02Z	Submit to Ecology & State of Oregon Monthly Summary Report	12/31/2012		On-going
** Future Monthly Reports will be added as necessary to maintain a two-months ahead activity.				
D-00A-05	LAB Construction Substantially Complete	12/31/2012		On-going
D-00A-12	Steam Plant Construction Complete	12/31/2012		On-going

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2013 Continued				
D-00A-21	Complete Construction of Structural Steel to EL. 37' in HLW Fac.	12/31/2012		On-going
D-00C-01F	Submit to Ecology & State of Oregon Semi-Annual Report	01/31/2013		On-going
D-00C-01G	Submit to Ecology & State of Oregon Semi-Annual Report	07/31/2013		On-going
D-006-00-A1	Provide State of Oregon Notice of Meetings	09/25/2013		On-going

Reports

D-00C-01 series, Submit to Ecology & State of Oregon Semi-Annual Report, Due: Semi-Annually – January 31st and July 31st of each year. Status: On-going

D-00C-02 series, Submit to Ecology & State of Oregon Monthly Summary Report Documenting Progress During Previous Month, Due: End of Each Month, Status: On-going

D-006-00-A1, Provide State of Oregon notice of meetings in D-006-00-A, etc. no less than 30 days before they are scheduled, Due: 9/25/2013, Status: On-going

D-006-00-A, Meet Approximately Every Three Years After Entry of Decree to review requirements of the Consent Decree, Due: 10/25/2013, Status: On-going

SST Retrieval Program

D-00B-01, Complete Retrieval of Tank Wastes from 10 Remaining SSTs in WMA-C, Due:
9/30/2014, Status: On-going

D-00B-01A thru J, Submit Tank Retrieval Complete Certification, Due: TBD

Pursuant to the requirement in Section IV-B-5 of the Consent Decree (CD) DOE must submit to Ecology a written certification that DOE has completed retrieval of a tank in accordance with the requirements of Appendix "C", Part 1, of the CD.

D-00B-02, Advise Ecology of the 9 SSTs from which Waste Will Be Retrieved by 2022, Due:
9/30/2014, Status: Completed on 08/24/2011.

D-00B-03, Initiate Startup of Retrieval in At Least 5 of 9 SSTs in D-00B-02, Due:
12/31/2017, Status: On-going

D-00B-04, Complete Retrieval of Tank Wastes from the 9 SSTs in D-00B-02, Due:
9/30/2022, Status: On-going

D-00B-04A thru I, Submit Tank Retrieval Complete Certification, Due: TBD

Significant Past Accomplishments:

1. Continued Operational Acceptance Testing for C-101 and C-102 Modified Sluicing Retrieval system.
2. Initiated installation of replacement pump for AN-101.
3. Initiated planning for replacement of failed pump for AN-106.
4. Continued construction activities for removal of equipment at C-105 to support large riser installation.

Significant Planned Activities in the Next Six Months:

1. Complete start up of the modified sluicing system in C-101.
2. Complete start up of the modified sluicing system in C-102.
3. Complete removal of equipment/pit at C-105.
4. Complete installation of the large riser in C-105.
5. Complete C-107 hard heel retrieval.
6. Submit retrieval certificates of completion for C-104, C-108, and C-109 to Ecology.

Issues:

None.

Tank Waste Retrieval Work Plan (TWRWP) Status

Tank	TWRWP	Expected Revisions	Retrieval Technology	Second Technology	Third Technology
C-101	RPP-22520, Rev. 7	Complete	MRS (per 10/7/10 agreement, to be Modified Sluicing)	High-Pressure Water with ERSS	-
C-102	RPP-22393, Rev. 6A	In Process	Modified Sluicing	High-Pressure Water with ERSS	-
C-104	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution	-
C-105	RPP-22520, Rev. 7	Complete	MARS-V	High pressure water spray/M A RS platform	-
C-107	RPP-22393, Rev. 6A	Complete	MARS-S	MARS-High Pressure	-
C-108	RPP-22393, Rev. 6A	Complete	Modified Sluicing	Chemical Dissolution	-
C-109	RPP-21895, Rev. 5	Complete	Modified Sluicing	Chemical Dissolution	-
C-110	RPP-33116, Rev. 2	In process	Modified Sluicing	None (to be revised to In-Tank Vehicle)	-
C-111	RPP-37739, Rev. 1	In process	Modified Sluicing	None (to be revised to In-Tank Vehicle)	-
C-112	RPP-22393, Rev. 6A	In process	Modified Sluicing	Chemical Dissolution	-

Significant Accomplishments

None.

Significant Planned Activities in the Next 6 Months:

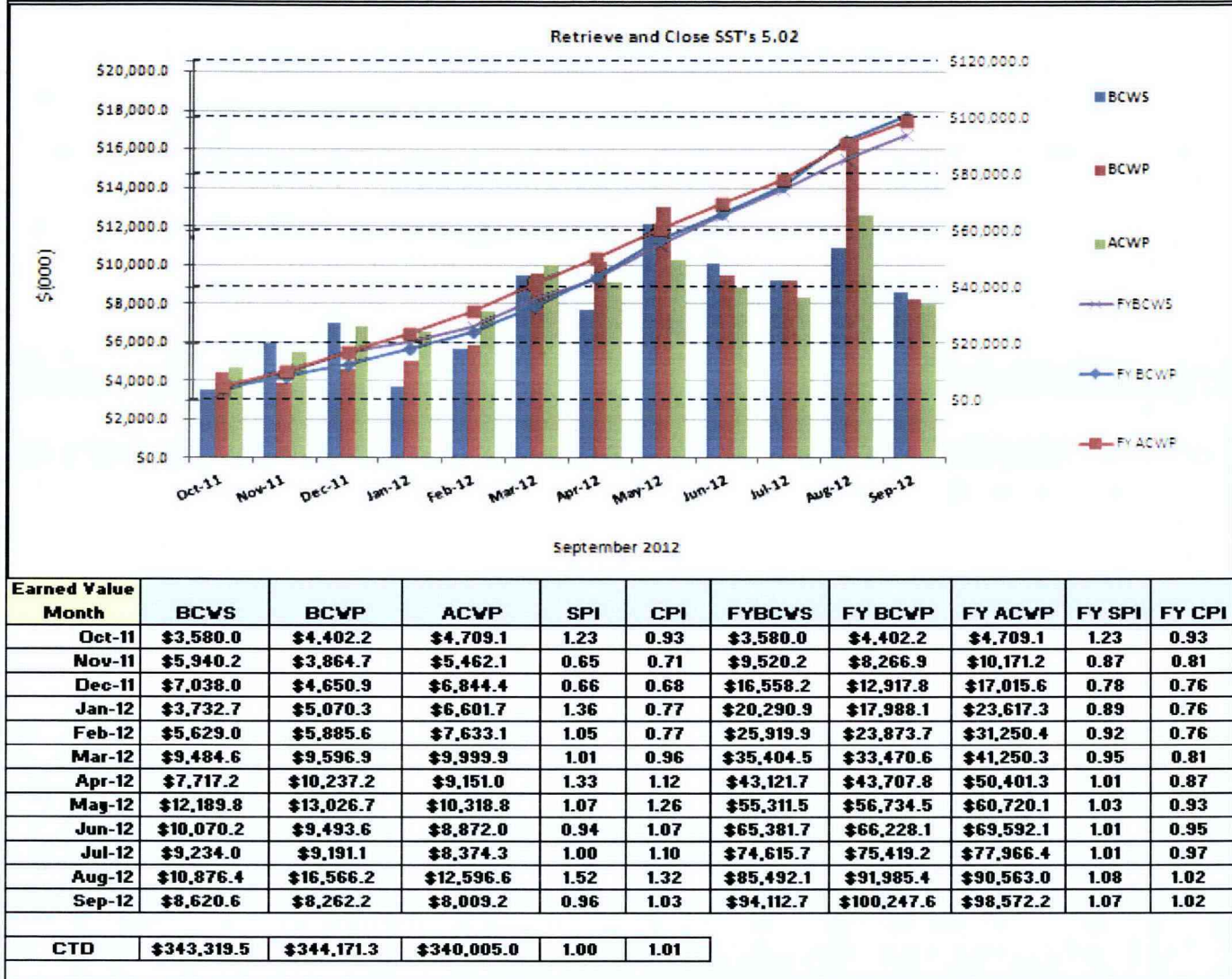
Work with Ecology on updates to TWRWPs RPP-22393, RPP-33116, and RPP-37739 for tanks C-102, C-110, C-111, and C-112.

Issues:

None.

SST Retrieval Monthly and Fiscal Year EVMS Data

Office of River Protection [ORP-0014] Fiscal Year 2012 - Monthly Project Performance



Single-Shell Tanks

Cost Variance (\$2,747K):

The unfavorable cost variance is primarily due to:

- Increased costs in C-107 relates to hard heel removal and tank retrieval operations, hard heel removal was not possible due to failure and pending replacement of the AN-106 supernate pump

The favorable CV was partially offset by:

- Efficiencies in C-Farm Infrastructure DST Receiver Tank 4, finishing the HIHTL replacement and starting the AN-101 pump replacement

Schedule Variance (\$358.4K):

The unfavorable schedule variance is primarily due to:

- Delay in resource allocation in C-112 sampling for the hard heel removal, sampling which resulted in a 4-month delay, work will be carried over to FY 2013

Waste Treatment and Immobilization Plant (WTP) Project

Number	Title	Due Date	Status
D-00A-06	Complete Methods Validations	12/31/2017	On-going* (see issues below)
D-00A-17	Hot Start of Waste Treatment Plant	12/31/2019	On-going* (see issues below)
D-00A-01	Achieve Initial Plant Operations for WTP	12/31/2022	On-going* (see issues below)

The WTP Project currently employs approximately 2425 Full-Time Equivalent (FTE) contractor (Bechtel National, Inc. [BNI]) and subcontractor personnel, including 610 craft, 452 non-manual, and 115 subcontractor personnel FTEs working at the WTP construction site (all facilities). As of September 2012, the project was 66 percent complete overall, design and engineering was 87 percent complete, procurement was 73 percent complete, construction was 62 percent complete, and startup and commissioning was 15 percent complete. In September 2012, the Baseline Change Proposal that implemented the LBL re-plan was incorporated into the project baseline resulting in increases/decreases to the LBL facility budgets, which correspondingly increased/decreased the facility/function to-date percent complete values.

The cumulative to date WTP Project schedule variance in September was a positive \$4.3 M. The cumulative to date WTP Project cost variance was a negative \$66.2 M. The positive schedule variance was due to the LBL re-baseline; the negative cost variance was primarily related to engineering design and construction crafts.

The following is the status of project matters through the end of September:

Significant Past Accomplishments:

- Issued schedule to complete items in the erosion/corrosion action plan, as part of the Two-Year Work Plan. (PT)
- Bechtel completed the work associated with Consent Decree Milestone (D-00A-21) "Complete Construction of Structural Steel to 37' in HLW Facility." (HLW)
- Issued 3 stress calculations for the Secondary Offgas/Vessel Vent Process System. (LAW)
- Issued two control logic diagrams and six functional diagrams for the demineralized water system. (BOF)
- Completed electrical and mechanical installation scope on the C2 ventilation system air handling units at elevation +14'. (LAB)

Significant Planned Actions in the Next Six Months:

- Complete Hazards and Operability Analysis (HAZOP) for (PVP) system. (PT)
- Submit 37' Structural Steel milestone completion notification to Ecology. (HLW)
- Complete installation of melter power supplies. (LAW)
- Complete installation of Auto Sampling (ASX system). (LAW)
- Complete construction of the WTP Cooling Tower. (BOF)
- Complete construction of WTP Chiller Compressor Plant. (BOF)
- Complete and closeout HVAC subcontract. (LAB)

Issues:

- Technical issues relevant to the PTF and HLW facilities include: pulse jet mixers; corrosion/erosion in piping and vessels; hydrogen accumulation; and waste feed issues.
- Various issues may have potential impacts on the HLW schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the HLW.

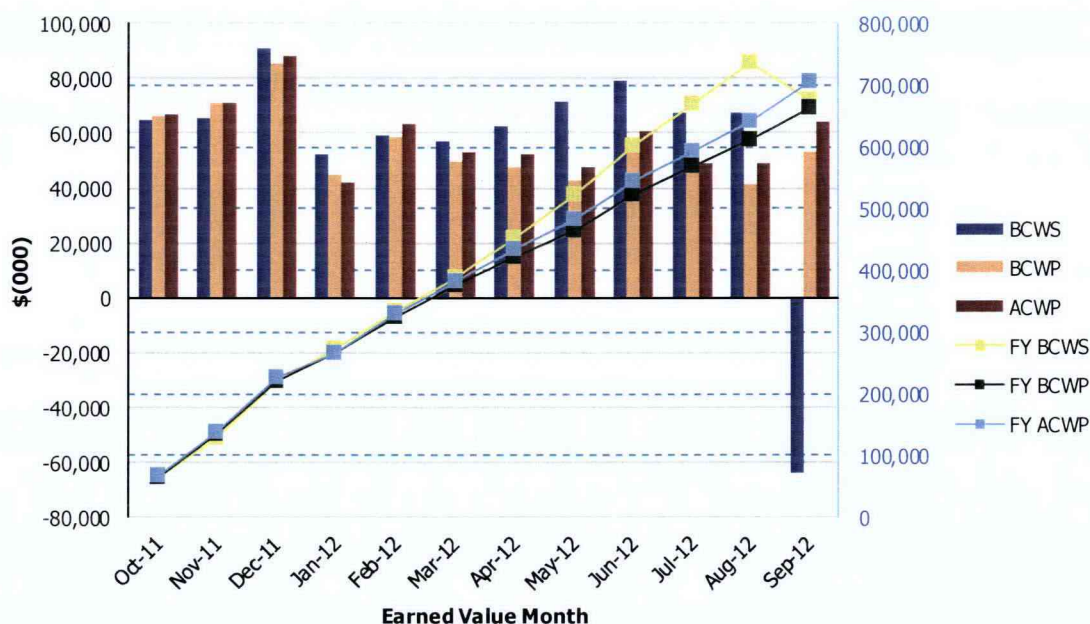
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: September 2012

**River Protection Project
Waste Treatment Plant (WTP) Project**

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2011	\$64,411	\$65,869	\$66,670	1.02	0.99	\$64,411	\$65,869	\$66,670	1.02	0.99
Nov 2011	\$65,647	\$70,625	\$70,879	1.08	1.00	\$130,058	\$136,494	\$137,549	1.05	0.99
Dec 2011	\$90,699	\$85,246	\$87,845	0.94	0.97	\$220,757	\$221,740	\$225,394	1.00	0.98
Jan 2012	\$52,248	\$45,149	\$41,816	0.86	1.08	\$273,005	\$266,889	\$267,210	0.98	1.00
Feb 2012	\$59,271	\$58,579	\$63,201	0.99	0.93	\$332,276	\$325,468	\$330,411	0.98	0.99
Mar 2012	\$57,285	\$49,398	\$53,161	0.86	0.93	\$389,561	\$374,866	\$383,572	0.96	0.98
Apr 2012	\$62,378	\$47,517	\$52,149	0.76	0.91	\$451,939	\$422,383	\$435,721	0.93	0.97
May 2012	\$71,778	\$42,759	\$47,365	0.60	0.90	\$523,717	\$465,142	\$483,086	0.89	0.96
Jun 2012	\$78,891	\$56,530	\$60,446	0.72	0.94	\$602,608	\$521,672	\$543,532	0.87	0.96
Jul 2012	\$67,735	\$47,504	\$48,727	0.70	0.97	\$670,343	\$569,176	\$592,259	0.85	0.96
Aug 2012	\$67,589	\$41,568	\$48,946	0.62	0.85	\$737,932	\$610,744	\$641,205	0.83	0.95
Sep 2012	(\$63,384)	\$53,169	\$63,828	-0.84	0.83	\$674,548	\$663,913	\$705,033	0.98	0.94
PTD	\$7,140,609	\$7,144,867	\$7,211,057	1.00	0.99					

PRETREATMENT (PT) FACILITY

Number	Title	Due Date	Status
D-00A-19	Complete Elevation 98' Concrete Floor Slab in PT Facility	12/31/2014	On-going* (see issues below)
D-00A-13	Complete Installation of Pretreatment Feed Separation Vessels	12/31/2015	On-going* (see issues below)
D-00A-14	PT Facility Construction Substantially Complete	12/31/2017	On-going* (see issues below)
D-00A-15	Start PT Facility Cold Commissioning	12/31/2018	On-going* (see issues below)
D-00A-16	PT Facility Hot Commissioning Complete	12/31/2019	On-going* (see issues below)

The Pretreatment (PT) Facility will separate radioactive tank waste into High Level Waste (HLW) and Low-Activity Waste (LAW) fractions and transfer each waste type to the respective vitrification facility for immobilization. As of September 2012, the PT Facility was 56 percent complete overall, with engineering design 85 percent complete, procurement 56 percent complete, construction 43 percent complete, and startup and commissioning 3 percent complete. Additional work-scope is required to resolve outstanding technical issues, which will impact the engineering design percent complete status.

Significant Past Accomplishments:

Received the PT, HLW, Shared Services FY13 & FY14 Two-Year Work Plan. DOE is in the process of reviewing and providing comments.

BNI Engineering has established 5 Technical Review Teams to address PT and HLW technical issues: (1) Erosion/Corrosion, (2) Process Transfer/Evaporators/HPAV, (3) HVAC/PVV and Filter Technical Issues, (4) Fire/Flooding and E&NS Integration, and (5) Equipment Qualification.

The key on-going activities in PT are related to the resolution of the Pretreatment Vessel Vent Process (PVP) system design, Hydrogen in Piping and Ancillary Vessels (HPAV), erosion/corrosion, vessel mixing technical issues, and hazards analysis.

A final report on the PVV system design (based on entrainment coefficient testing results) is expected to be issued in December 2012.

Issued a schedule, as part of the Two-Year Work Plan, to complete items listed in the erosion/corrosion action plan. The Independent Review Team report was issued for review. A corrosion test scoping document is planned to be issued in December 2012 to address the material selection issue.

Progress on the 14 foot large scale mixing test platform included procurements released for the vessel and vessel heads, and the start of on-site tower steel erection.

Updated the Implementation and Closure Path to DNFSB concerns on plugging.

Completed CXP system margin assessment.

Significant Planned Actions in the Next Six Months:

- Complete Hazards and Operability Analysis (HAZOP) for (PVP) system
- Complete the HPAV HGR rate calculations
- Issue the technical scaling selection basis document
- Submit the 2010-2 Implementation Plan revision
- Issue the corrosion test scoping document
- Issue Process Corrosion Data Sheet – Volume 3

Issues:

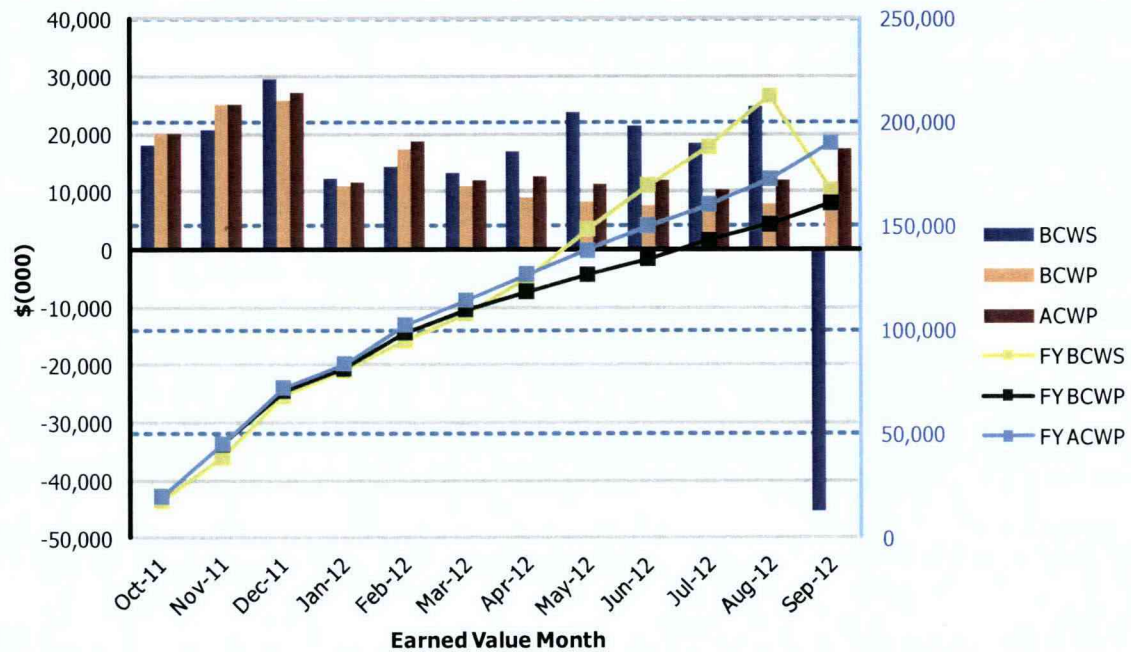
* Technical issues relevant to the PTF and HLW facilities include, among others, pulse jet mixers, corrosion/erosion in piping and vessels, hydrogen accumulation, and waste feed issues.

Data Set: FY 2012 Earned Value Data

Data as of: September 2012

River Protection Project Pretreatment Facility

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2011	\$17,935	\$20,110	\$20,000	1.12	1.01	\$17,935	\$20,110	\$20,000	1.12	1.01
Nov 2011	\$20,616	\$24,945	\$25,222	1.21	0.99	\$38,551	\$45,055	\$45,222	1.17	1.00
Dec 2011	\$29,580	\$25,673	\$27,175	0.87	0.94	\$68,131	\$70,728	\$72,397	1.04	0.98
Jan 2012	\$12,292	\$10,751	\$11,583	0.87	0.93	\$80,423	\$81,479	\$83,980	1.01	0.97
Feb 2012	\$14,371	\$17,367	\$18,675	1.21	0.93	\$94,794	\$98,846	\$102,655	1.04	0.96
Mar 2012	\$13,101	\$11,054	\$11,874	0.84	0.93	\$107,895	\$109,900	\$114,529	1.02	0.96
Apr 2012	\$16,877	\$8,730	\$12,488	0.52	0.70	\$124,772	\$118,630	\$127,017	0.95	0.93
May 2012	\$23,773	\$8,080	\$11,320	0.34	0.71	\$148,545	\$126,710	\$138,337	0.85	0.92
Jun 2012	\$21,271	\$7,567	\$12,061	0.36	0.63	\$169,816	\$134,277	\$150,398	0.79	0.89
Jul 2012	\$18,275	\$8,767	\$10,178	0.48	0.86	\$188,091	\$143,044	\$160,576	0.76	0.89
Aug 2012	\$24,563	\$7,773	\$12,063	0.32	0.64	\$212,654	\$150,817	\$172,639	0.71	0.87
Sep 2012	(\$45,359)	\$10,152	\$17,215	-0.22	0.59	\$167,295	\$160,969	\$189,854	0.96	0.85
PTD	\$1,410,467	\$1,410,467	\$1,410,467	1.00	1.00					

HIGH-LEVEL WASTE (HLW) FACILITY

Number	Title	Due Date	Status
D-00A-21	Complete Construction of Structural Steel to 37' in HLW Facility	12/31/2012	On-going
D-00A-02	HLW Facility Construction Substantially Complete	12/31/2016	On-going* (see issues below)
D-00A-03	Start HLW Facility Cold Commissioning	6/30/2018	On-going* (see issues below)
D-00A-04	HLW Facility Hot Commissioning Complete	12/31/2019	On-going* (see issues below)

The High Level Waste (HLW) Facility will receive the separated high-level waste concentrate from the Pretreatment (PT) Facility. This concentrate will be blended with glass formers and converted into molten glass in one of the two HLW melters and then poured into cylindrical stainless steel canisters. After cooling, the canisters will be sealed and decontaminated prior to shipment to interim storage. As of September 2012, the HLW Facility is 62 percent complete overall, with engineering design 89 percent complete, procurement 81 percent complete, construction 43 percent complete, and startup and commissioning is 4 percent complete.

Significant Past Accomplishments:

Received the PT, HLW, Shared Services FY13 & FY14 Two-Year Work Plan. DOE is in the process of reviewing and providing comments.

Bechtel completed the work associated with Consent Decree Milestone (D-00A-21) "Complete Construction of Structural Steel to 37' in HLW Facility." (HLW)

Testing was performed to determine the performance of the radial HEPA filter media when exposed to combined conditions of filter loading, temperature and humidity. The testing showed failure under combined conditions. DOE has received a schedule for resolving the HEPA filter requirements. Bechtel is working with potential vendors to gain interest in producing prototype filters that will meet operating conditions. Once the vendors are selected, the redesigned filters will be tested and the best option selected; the winning design will then go through qualifying testing for use in WTP.

75% of the concrete has been poured in the facility with 25% of the concrete in the 58ft elevation walls. Four walls/slabs were placed in September.

Bechtel noted a number of weld deficiencies on Plant Wash and Drain Vessel (RLD-VSL-08). Bechtel and DOE met to discuss a path forward and Bechtel and the vendor are working to develop a detailed Repair Plan. BNI has issued direction to the vendor to make the vessel compliant with the purchase order requirements for undercut and weld size.

Bechtel continues the Reliability Validation Process (RVP) to address the DOE level 1 finding on Systemic Integrated Management Performance Concerns. During the RVP, Bechtel will be conducting in-depth system reviews on critical systems. The systems under review for HLW are Radioactive Liquid Waste Disposal System (RLD), HLW Melter Offgas Treatment Process System (HOP), and HLW Melter Feed Process System (HFP).

Significant Planned Actions in the Next Six Months:

- Confirm completion of 37' Structural Steel milestone
- Review supplier prequalification packages to determine bidder list for HEPA filter redesign
- Award contract(s) for prototype design/fabrication for HEPA filter redesign
- Complete RVP reviews
- Complete the first of the two Authorization Basis Amendment Requests (ABARs) to support Preliminary Documented Safety Analysis (PDSA) upgrade – focus of the first ABAR is to incorporate changes in the facility and control descriptions
- Finish all concrete slabs at the 37' level

Issues:

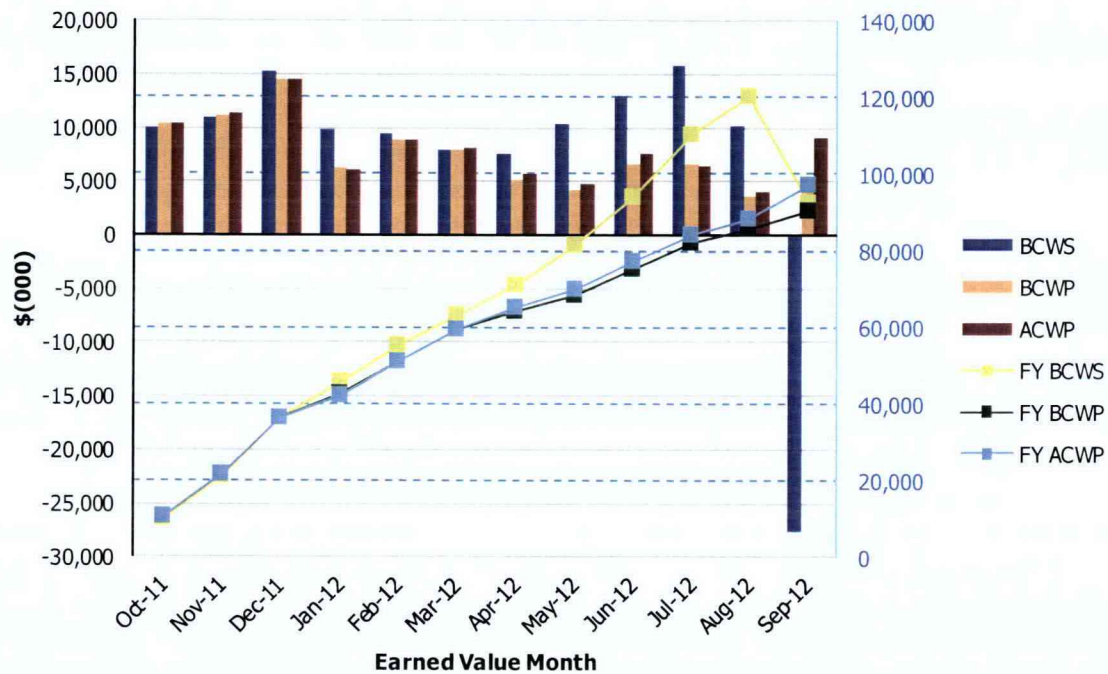
* Various issues may have potential impacts on the HLW schedule. This includes risks that the project has already realized and the plans for addressing the remaining risks in the HLW.

Data Set: FY 2012 Earned Value Data

Data as of: September 2012

River Protection Project High-Level Waste Facility

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2011	\$9,953	\$10,437	\$10,368	1.05	1.01	\$9,953	\$10,437	\$10,368	1.05	1.01
Nov 2011	\$10,920	\$11,224	\$11,295	1.03	0.99	\$20,873	\$21,661	\$21,663	1.04	1.00
Dec 2011	\$15,209	\$14,578	\$14,472	0.96	1.01	\$36,082	\$36,239	\$36,135	1.00	1.00
Jan 2012	\$9,878	\$6,187	\$6,142	0.63	1.01	\$45,960	\$42,426	\$42,277	0.92	1.00
Feb 2012	\$9,383	\$8,807	\$8,891	0.94	0.99	\$55,343	\$51,233	\$51,168	0.93	1.00
Mar 2012	\$7,900	\$7,901	\$8,221	1.00	0.96	\$63,243	\$59,134	\$59,389	0.94	1.00
Apr 2012	\$7,652	\$5,055	\$5,676	0.66	0.89	\$70,895	\$64,189	\$65,065	0.91	0.99
May 2012	\$10,364	\$4,150	\$4,849	0.40	0.86	\$81,259	\$68,339	\$69,914	0.84	0.98
Jun 2012	\$12,929	\$6,691	\$7,502	0.52	0.89	\$94,188	\$75,030	\$77,416	0.80	0.97
Jul 2012	\$15,888	\$6,709	\$6,541	0.42	1.03	\$110,076	\$81,739	\$83,957	0.74	0.97
Aug 2012	\$10,113	\$3,578	\$4,092	0.35	0.87	\$120,189	\$85,317	\$88,049	0.71	0.97
Sep 2012	(\$27,549)	\$5,187	\$9,025	-0.19	0.57	\$92,640	\$90,504	\$97,074	0.98	0.93
PTD	\$922,133	\$922,130	\$922,132	1.00	1.00					

LOW-ACTIVITY WASTE (LAW) FACILITY

Number	Title	Due Date	Status
D-00A-07	LAW Facility Construction Substantially Complete	12/31/2014	On-going
D-00A-08	Start LAW Facility Cold Commissioning	12/31/2018	On-going
D-00A-09	LAW Facility Hot Commissioning Complete	12/31/2019	On-going

The Low-Activity Waste (LAW) Facility will vitrify LAW from the Pretreatment (PT) Facility. Waste will be mixed with glass formers, vitrified into glass at a design capacity of 30 metric tons per day, and placed in stainless steel containers that are anticipated to be disposed on the Hanford Site in the Integrated Disposal Facility. The LAW Facility is 60 percent complete overall, with engineering design 76 percent complete, procurement 83 percent complete, construction 58 percent complete, and startup and commissioning is 4 percent complete.

Significant Past Accomplishments:

Issued three stress calculations for the Secondary Offgas/Vessel Vent Process System (LVP). Remaining LVP system isometric (ISO) and pipe support drawings have been issued. ISOs have been received by vendor and ready for fabrication.

Procurement activities for the LAW facility continue to be focused on the LVP system components including the pre-heaters, caustic scrubber, and thermal catalytic oxidizer. Engineering continued to place an emphasis on the review of vendor calculations and vendor interactions during the ongoing procurement of LVP system components.

Construction activities for the LAW facility are currently focused on the facility partition wall installation and material installation for the melter refractory walls. This included installation of the two temporary 2.5 ton cranes. Reinforcement steel has been set in support of the placement of the concrete slab to support the condensate units.

Additional construction activities were initiated including installation of the electrical equipment in the annex; removal of the Melter #2 shield/gas barrier lid; plumbing lay out/roughing in the annex; installation of Low-Voltage Electrical (LVE) non-segmented bus ducts in chases; installation of piping in the process cells and cable tray/engineered supports in the north finishing line.

Significant Planned Actions in the Next Six Months:

- Complete installation melter power supplies
- Complete installation of Auto Sampling (ASX) system
- Begin installation of Melter #1 Refractory
- Receive HEPA Pre-heaters for LVP system
- Receive HEPA Housings for LVP system
- Receive Thermal Catalytic Oxidizer (TCO) for LVP system

Issues:

No major issues at this time.

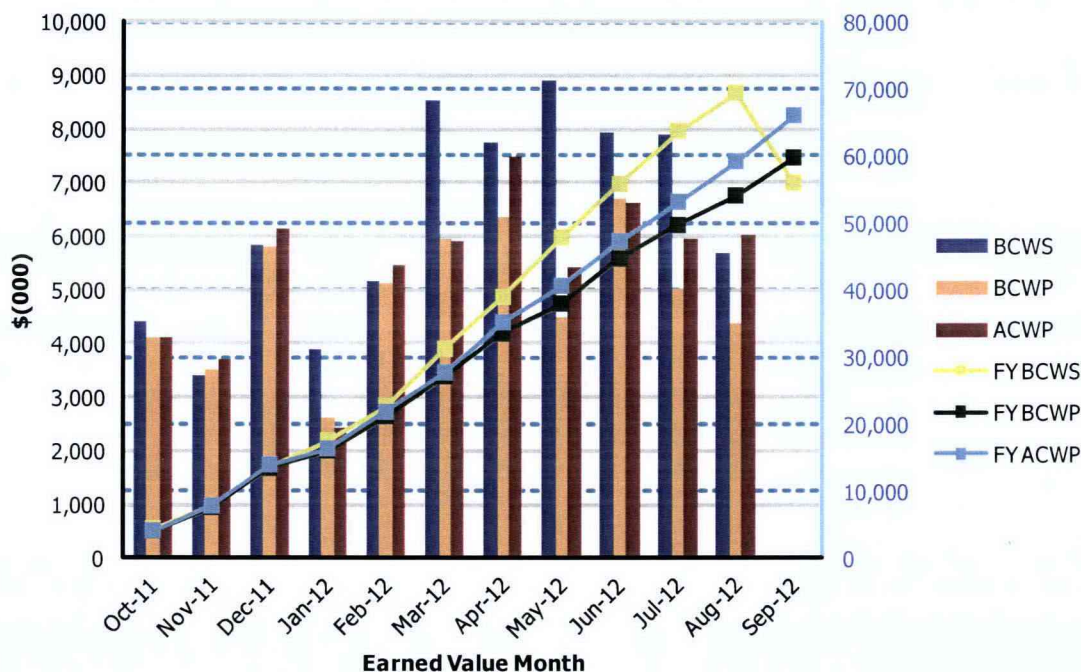
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: September 2012

River Protection Project Low-Activity Waste Facility

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2011	\$4,415	\$4,115	\$4,104	0.93	1.00	\$4,415	\$4,115	\$4,104	0.93	1.00
Nov 2011	\$3,404	\$3,510	\$3,704	1.03	0.95	\$7,819	\$7,625	\$7,808	0.98	0.98
Dec 2011	\$5,827	\$5,807	\$6,123	1.00	0.95	\$13,646	\$13,432	\$13,931	0.98	0.96
Jan 2012	\$3,886	\$2,617	\$2,412	0.67	1.08	\$17,532	\$16,049	\$16,343	0.92	0.98
Feb 2012	\$5,140	\$5,117	\$5,472	1.00	0.94	\$22,672	\$21,166	\$21,815	0.93	0.97
Mar 2012	\$8,531	\$5,960	\$5,900	0.70	1.01	\$31,203	\$27,126	\$27,715	0.87	0.98
Apr 2012	\$7,735	\$6,351	\$7,469	0.82	0.85	\$38,938	\$33,477	\$35,184	0.86	0.95
May 2012	\$8,906	\$4,481	\$5,425	0.50	0.83	\$47,844	\$37,958	\$40,609	0.79	0.93
Jun 2012	\$7,945	\$6,685	\$6,619	0.84	1.01	\$55,789	\$44,643	\$47,228	0.80	0.95
Jul 2012	\$7,905	\$5,017	\$5,930	0.63	0.85	\$63,694	\$49,660	\$53,158	0.78	0.93
Aug 2012	\$5,690	\$4,374	\$6,017	0.77	0.73	\$69,384	\$54,034	\$59,175	0.78	0.91
Sep 2012	* N/A	* N/A	* N/A	* N/A	* N/A	\$55,915	\$59,726	\$66,011	1.07	0.90
PTD	\$693,711	\$696,988	\$748,546	1.00	0.93					

*Monthly data affected by BNI point adjustment following LBL replan.

BALANCE OF FACILITIES (BOF)

Number	Title	Due Date	Status
D-00A-12	Steam Plant Construction Complete	12/31/2012	On-going

The Balance of Facilities (BOF) provides services and utilities to support operation of the main production facilities – PT, HLW, LAW, and LAB. The BOF is 51 percent complete overall, with engineering design 75 percent complete, procurement 60 percent complete, construction 69 percent complete, and startup and commissioning is 8 percent complete.

Significant Past Accomplishments:

Efforts remain focused on identification of individual facility requirements within BOF to support facility completion, and turnover to the startup organization. Each facility will be evaluated to verify the adequacy of design and readiness for operation. The first stage of this validation will occur as part of the turnover from construction to the startup organization for component level testing.

As necessary to support facility completion, the WTP contractor conducted, and continues to conduct, a weekly or bi-weekly meeting. These meetings focus on schedule reviews and punch list development for the remaining construction activities. Regular meetings continue to be held for the Steam Plant, WTP site switchgear buildings (87 and 91), and Chiller Compressor Plant (CCP).

Recent accomplishments for the BOF team are:

- Issued two control logic diagrams and six functional diagrams for the demineralized water system
- Issued isometric drawings for the sodium hydroxide reagent (SHR) system and the steam condensate water (SCW) systems
- Issued confirmed calculations for the switchgear building 87 vault, and foundation
- Completed coatings on the NLD system at the Water Treatment Plant
- Completed coating floor in the Chiller Compressor Plant

Significant Planned Actions in the Next Six Months:

- Complete construction of the WTP Cooling Tower
- Complete construction of the BOF switchgear building
- Complete Construction of the WTP Chiller Compressor Plant
- Turning over the WTP switchgear building (Bldg 87) from construction to the startup organization
- Remaining activities to complete Consent Decree Milestone (A-012) “Steam Plant Construction Complete” are ongoing and scheduled to be completed in November 2012

Issues:

- Post Install Anchors inspection records indicate some anchors may have been installed incorrectly, BNI reviewing installation.

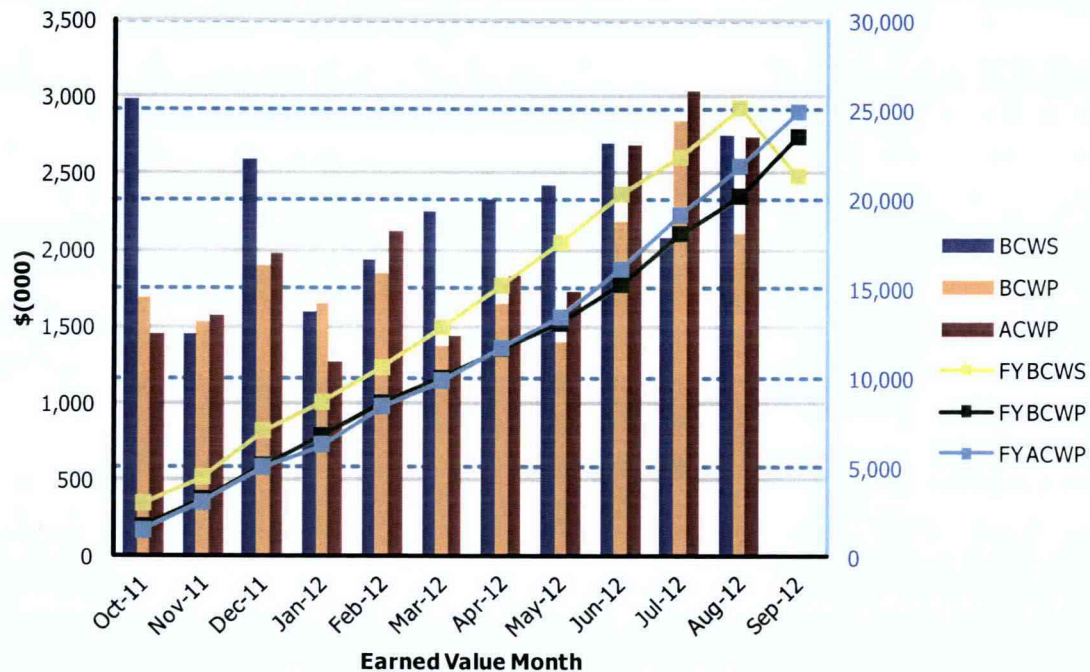
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: September 2012

River Protection Project Balance of Facilities

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2011	\$2,980	\$1,685	\$1,454	0.57	1.16	\$2,980	\$1,685	\$1,454	0.57	1.16
Nov 2011	\$1,455	\$1,524	\$1,564	1.05	0.97	\$4,435	\$3,209	\$3,018	0.72	1.06
Dec 2011	\$2,594	\$1,895	\$1,981	0.73	0.96	\$7,029	\$5,104	\$4,999	0.73	1.02
Jan 2012	\$1,597	\$1,652	\$1,262	1.03	1.31	\$8,626	\$6,756	\$6,261	0.78	1.08
Feb 2012	\$1,939	\$1,841	\$2,123	0.95	0.87	\$10,565	\$8,597	\$8,384	0.81	1.03
Mar 2012	\$2,248	\$1,376	\$1,444	0.61	0.95	\$12,813	\$9,973	\$9,828	0.78	1.01
Apr 2012	\$2,331	\$1,651	\$1,835	0.71	0.90	\$15,144	\$11,624	\$11,663	0.77	1.00
May 2012	\$2,421	\$1,399	\$1,725	0.58	0.81	\$17,565	\$13,023	\$13,388	0.74	0.97
Jun 2012	\$2,698	\$2,188	\$2,685	0.81	0.81	\$20,263	\$15,211	\$16,073	0.75	0.95
Jul 2012	\$2,075	\$2,838	\$3,040	1.37	0.93	\$22,338	\$18,049	\$19,113	0.81	0.94
Aug 2012	\$2,755	\$2,106	\$2,730	0.76	0.77	\$25,093	\$20,155	\$21,843	0.80	0.92
Sep 2012	N/A	N/A	N/A	N/A	N/A	\$21,279	\$23,474	\$24,874	1.10	0.94
PTD	\$275,748	\$275,585	\$273,931	1.00	1.01					

*Monthly data affected by BNI point adjustment following LBL replan.

ANALYTICAL LABORATORY

Number	Title	Due Date	Status
D-00A-05	LAB Construction Substantially Complete	12/31/2012	On-going

The Analytical Laboratory (LAB) will support WTP operations by analyzing feed, vitrified waste, and effluent streams. The LAB is 64 percent complete overall, with engineering design 72 percent complete, procurement 81 percent complete, construction 75 percent complete, and startup and commissioning is 22 percent complete.

Significant Past Accomplishments:

The contractor continued efforts toward completion of Consent Decree Milestone (A-05) "LAB Construction Substantially Complete." The current construction forecast finish date is November 30, 2012 and the Consent Decree compliance date is December 31, 2012. Work continues on completing punch list activities in support of construction substantially complete. Detail/finishing work continues within the individual analytical areas with emphasis on the installation of commodities to support laboratory cabinets and analytical equipment. Modifications to the HVAC system are in progress, adding 20 expansion joints to the C5V system due to seismic story drift considerations.

Recent accomplishments for the LAB team are:

- Completion of electrical and mechanical installation scope on the C2 ventilation system air handling units at elevation +14'
- Installation of bottle racks for the breathing air system and the mixed gas system
- Skids SCW-SKID-0004A and SCW-SKID-0004B for the steam condensate water system
- Hotcell load-in glovebox

Significant Planned Actions in the Next Six Months:

- Installation of the instrumentation panels, cabinets, racks and cubicles
- Completion of the high purity gas systems subcontract
- Completion and closeout of the HVAC subcontract
- Progress Analytical Laboratory Construction to "Substantially Complete"

Issues:

- RLD Vessel 164 welds require significant rework
- Seismic Story Drift analysis required installation of bellows on some ventilation ducting
- Post Install Anchors inspection records indicate some anchors may have been installed incorrectly, BNI reviewing installation

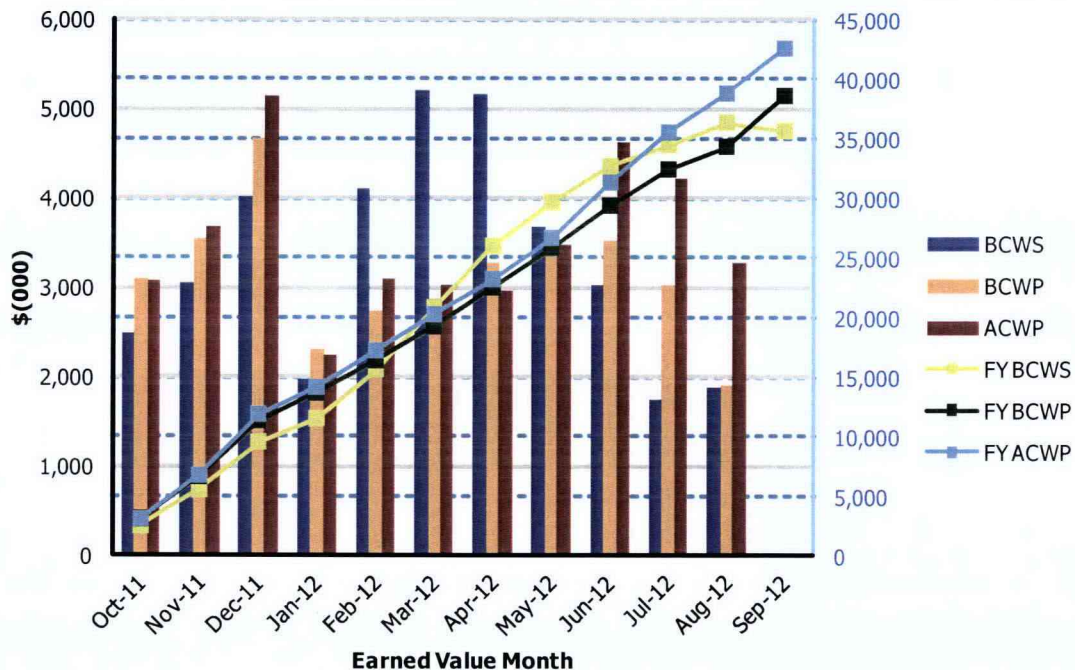
EXC-01a: Fiscal Year Cost and Schedule Report

Data Set: FY 2012 Earned Value Data

Data as of: September 2012

**River Protection Project
Analytical Laboratory**

EVMS Monthly and Fiscal Year Values



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FY BCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct 2011	\$2,489	\$3,092	\$3,063	1.24	1.01	\$2,489	\$3,092	\$3,063	1.24	1.01
Nov 2011	\$3,040	\$3,551	\$3,680	1.17	0.96	\$5,529	\$6,643	\$6,743	1.20	0.99
Dec 2011	\$4,005	\$4,676	\$5,128	1.17	0.91	\$9,534	\$11,319	\$11,871	1.19	0.95
Jan 2012	\$1,970	\$2,318	\$2,242	1.18	1.03	\$11,504	\$13,637	\$14,113	1.19	0.97
Feb 2012	\$4,113	\$2,725	\$3,091	0.66	0.88	\$15,617	\$16,362	\$17,204	1.05	0.95
Mar 2012	\$5,203	\$2,860	\$3,036	0.55	0.94	\$20,820	\$19,222	\$20,240	0.92	0.95
Apr 2012	\$5,167	\$3,265	\$2,954	0.63	1.11	\$25,987	\$22,487	\$23,194	0.87	0.97
May 2012	\$3,685	\$3,349	\$3,486	0.91	0.96	\$29,672	\$25,836	\$26,680	0.87	0.97
Jun 2012	\$3,020	\$3,531	\$4,627	1.17	0.76	\$32,692	\$29,367	\$31,307	0.90	0.94
Jul 2012	\$1,756	\$3,035	\$4,227	1.73	0.72	\$34,448	\$32,402	\$35,534	0.94	0.91
Aug 2012	\$1,887	\$1,915	\$3,278	1.01	0.58	\$36,335	\$34,317	\$38,812	0.94	0.88
Sep 2012	N/A	N/A	N/A	N/A	N/A	\$35,648	\$38,603	\$42,587	1.08	0.91
PTD	\$205,926	\$207,072	\$223,356	1.01	0.93					

*Monthly data affected by BNI point adjustment following LBL replan.

Waste Treatment Plant Project - Percent Complete Status
Through September 2012

(Dollars - Millions)	Overall Facility Percent Complete Unallocated Dollars			Design/Engineering Unallocated Dollars			Procurement Unallocated Dollars			Construction Unallocated Dollars			Startup & Plant Operations Unallocated Dollars		
	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete	Performance Measurement Baseline (PMB)	Budgeted Cost of Work Performed (BCWP)	% Complete
Facilities															
Low-Activity Waste	1,165.4	697.0	60%	286.2	216.8	76%	258.7	213.8	83%	444.6	259.2	58%	175.9	7.2	4%
Analytical Lab	322.4	207.1	64%	68.5	49.2	72%	56.0	45.3	81%	131.9	98.3	75%	66.0	14.3	22%
Balance of Facilities	536.1	275.6	51%	88.5	66.8	75%	71.6	43.2	60%	223.0	153.5	69%	152.9	12.1	8%
High-Level Waste	1,478.6	922.1	62%	364.4	325.2	89%	433.9	349.4	81%	561.1	243.2	43%	119.2	4.4	4%
Pretreatment	2,517.3	1,410.5	56%	761.7	645.8	85%	679.9	380.4	56%	890.0	378.6	43%	185.8	5.6	3%
Shared Services	4,726.9	3,632.6	77%	1,047.0	977.9	93%	451.7	395.0	87%	1,436.5	1,143.0	80%	453.5	133.2	29%
Total WTP w/o UB	10,746.6	7,144.9	66%	2,616.2	2,281.6	87%	1,951.8	1,427.2	73%	3,687.1	2,275.8	62%	1,153.4	176.8	15%
Undistributed Budget	0.3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total WTP	10,746.9	7,144.9	66%	2,616.2	2,281.6	87%	1,951.8	1,427.2	73%	3,687.1	2,275.8	62%	1,153.4	176.8	15%

Source: Preliminary WTP Contract Performance Report - Format 1, Data for September 2012

Note: Starting with the June 2009 report, facility construction percent complete values decreased significantly, and a couple of Design/Engineering facility percent complete values went down as well. The decrease in values was tied to Phase 1 of BN's elimination of WBS 1.08, Plant Wide EPCC; scope from WBS 1.08 was moved to facilities as appropriate or to WBS 1.90, Shared Services. This resulted in an increase in the facility construction budgets, which has correspondingly reduced the to-date percent complete values. In July 2010 the allocation of 1.90 to the facilities was removed to show true facility percent complete. This report does not show the LOE budgets that are not associated with a specific EPCC function; these include, Finance, Project Management, etc, but are included in the total Overall Facility Percent Complete for Shared Services. In September 2012, the LBL Replan was incorporated into the project baseline resulting in increases/decreases to the LBL facility budgets, which correspondingly increased/decreased the facility/function to-date percent complete values.

ORP/Ecology TPA and CD Agreements, Issues, and Actions for November 2012

Agreements:

1. ORP will continue to meet with ECY to discuss funding and work priorities per TPA Paragraphs 148/149 process.
2. Per an ECY standing request, ORP agrees to include any written directives given by DOE to the contractors for work required by the CD in future Semi-Annual CD Reports (see CD Section IV-C-1-e, page 8).
3. The ORP and ECY PMs have developed, signed, and entered an outline for the CD Tank Completion Certification into the TPA Administrative Record. Senior management will continue to be briefed if any follow-on actions arise.

Issues:

1. Ecology has a concern with WTP data being reported exclusively in the CD Monthly Summary Report as the current CD reporting process does not allot ECY early review time of the CD Monthly Summary Report. ORP and ECY have raised this concern for discussion at the Senior Management levels.
2. AY-102 Inner Tank Leak: A team comprised of experts from ORP, ECY, WDOH, and WRPS are evaluating a range of potential cumulative impacts (DST space/water balance, 242-A Evaporator, Waste Feed Delivery to WTP, risk readiness/contingency, etc.) with follow-on topic meetings to be held with close involvement of ORP and ECY Senior Management as information becomes available for evaluation.

Tank Farms Actions:

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Completed
12-11-01	11/13/12	ORP will meet with ECY to provide schedule durations and impacts for the SST Integrity program and work a path forward per the TPA Section 12.0 for impacted target dates and interim milestones.	Open.	Jeremy Johnson	
12-10-07	10/23/12	ORP will set up a meeting to discuss the C-108 Practicability/BI samples for C-104, C-108, C-111, and C-112, emphasis on organic complexation in C-104 is requested by ECY.	Open.	Chris Kemp	
12-10-06	10/23/12	ECY has asked to meet with ORP Tank Farms and One System/Integration teams to discuss the necessary steps and processes needed to accomplish Hot and Cold Commissioning of WTP.	Open. ORP met with ECY on 11/13/12.	Janet Dieckler Chris Harrington	
12-10-05	10/23/12	ORP will review the September 2009 Report, External Technical Review for Evaluation of System Level Modeling and Simulation Tools in Support of Hanford Site Liquid Waste Process for recommendations and determine if those recommendations have been implemented. A follow-up meeting will then be established with Ecology to discuss.	Open. ORP is currently reviewing this document.	DaBrisha Smith	
12-10-04	10/16/12	Ecology would like to discuss C-107 and considerations for Tc-99 concerns with tank residuals and technology selection	Open.	Chris Kemp	

ORP/Ecology TPA and CD Agreements, Issues, and Actions for November 2012

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Completed
12-10-03	10/10/12	Per M-045-56 annual meeting: Set meeting on Interim Measures Inspection and Maintenance, to address inspection scope, criteria, and results of past inspections.	Open.	Susan Eberlein	
12-10-02	10/10/12	Per M-045-56 annual meeting: Set meeting with site water purveyor to address leak detection and testing in active water lines.	Open.	Chris Kemp	
12-10-01	10/10/12	Per M-045-56 annual meeting: Set meeting on interim surface barrier surveillance and maintenance actions and status.	Open.	Susan Eberlein	
12-09-02	09/25/12	ECY PMs would like to set up a meeting with ORP PMs to define the purpose and scope of the PMM meetings (roles, responsibilities, objectives).	Open. This was discussed at the ORP/ECY Communications meeting held on 10/16/12 and a break-out team held a follow-up meeting on to outline expectations, discuss the process, available tools (agreements, issues, action items list), and develop improvements. This meeting was held on 11/13/12 and results will be presented and discussed at the follow-up overall ORP/ECY Communications Improvements meeting.	Jim Lynch	
12-09-01	09/20/12	ORP will set up a meeting to discuss TPA PMM Issues provided by Jeff Lyon of ECY on 09/20/12 via e-mail.	Open. These items were entered into the 09/25/12 PMM record. ECY would like to meet to discuss as soon as possible (10/01/12 if possible). ORP submitted met with ECY and submitted draft responses on 10/18/12 and entered those responses into the TPA Admin Record in the 10/23/12 PMM.	Joni Grindstaff Chris Kemp	
12-08-02	08/14/12	ORP will setup a meeting with someone from 222-S Labs to brief Ecology on sampling and process/tracking information at the lab.	Open. ECY would like to hold this meeting by 10/18/12 if possible. ORP and representatives from the 222-S Labs are available to discuss. ORP has asked ECY to provide a list of questions and will setup a meeting to discuss.	Jeff Cheadle	

ORP/Ecology TPA and CD Agreements, Issues, and Actions for November 2012

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Completed
12-05-04	May 2012	Per 12-NWP-071, ECY anticipates the following actions are necessary to support the completion of the RCRA RFI/CMS Study work: a. ORP will release the revisions of RPP-39114 and RPP-38777 as approved. b. ORP will complete work identified in the work plan. c. ORP will provide the date for submittal and completion of: i. The validation, documentation, and evaluation of the analytical data from FY2010 and FY2011 ii. The following reports: 1. Tc-99 laboratory interferences 2. Evaluation of the organic detects in WMA C groundwater wells 3. Latest trending of groundwater contaminants at WMA C groundwater wells 4. Evaluation of the Quality Assurance/Quality Control and holding time issues associated with the 222-S shutdown in summer of 2011 d. ORP will submit the revised Hanford C-Farm Leak Assessment Report (RPP-ENV-33418)	Open. Related to Action Item #11-10-02. Status of these items and several reports were transmitted via a letter 12-TF-0035 on 09/07/12. ECY has provided additional requests regarding letter 12-TF-0035. ECY has a specific request to meet and discuss action description area "d" with respect to C-108 leak loss management.	Chris Kemp Susan Eberlein	
12-05-03	May 2012	ORP and WRPS will develop and provide to ECY a C-108 Lessons Learned for use in future caustic dissolution activities.	Closed. The LI is currently under review for public release. ORP provided this to Ecology on 11/08/12.	Chris Kemp Jeff Luke Susan Eberlein	
12-05-02	May 2012	ORP is working on an ECY request to revise IQRPE reports for ARRA projects.	Open. A meeting to review the IQRPE's disposition of ECY's comments was held on 05/24/12. ORP transmitted letter 12-TF-0025 with several revised reports. ORP is compiling the requested documents for transmittal to ECY.	Jeremy Johnson	
12-05-01	May 2012	ECY will provide approval or other action on the M-045-58 workplan.	Open. ECY plans to complete this action by 10/15/12.	Jeff Lyon	
12-02-01	February 2012	ORP will provide information to ECY (Lyon) on Mixer Pump work for Waste Feed Delivery.	Closed. There's been discussion between WFD POC Isabelle Wheeler and ECY PM.	Glyn Trenchard	
11-10-02	October 2011	ORP will brief ECY on soil sample analysis from direct push for the C-101 and C-104, including discussion of vadose zone data for the C-101 TWRWP, post May 2012.	Open. Data was transmitted to ECY via ORP letter 12-TF-0035 on 09/07/12. Follow-up meeting was held on 10/18/12.	Chris Kemp Susan Eberlein	

ORP/Ecology TPA and CD Agreements, Issues, and Actions for November 2012

WTP Actions:

#	Date Initiated	Action Description	Action Status	Actionee(s)	Date Completed
12-10-05	10/23/12	ORP will provide briefings on the RVP Program; the Vessel Cooling Coil, and HSS Bolt issues.	Open. ORP plans to provide these briefings in November 2012	Wahed Abdul	
12-10-04	10/23/12	ORP will determine the status of the updated G2 Run and provide to ECY.	Open.	Wahed Abdul	

Recent Items Entered/To Be Entered into the TPA Administrative Record (see <http://www5.hanford.gov/arpir/?content=advancedSearch> - search EDMC File Number)

Item Description	TPA/CD Topic Milestone Tie	TPA Admin Record - EDMC File Number
October 2012 ORP TPA Monthly Report	All	1217506
October 2012 ORP CD Monthly Report	All	1217507
TPA Change Notice 2012-07 to TWRWP RPP-22520, Rev. 7 (C-101 and C-105)	Retrievals	1217513
TPA Change Notice 2012-10 to TWRWP RPP-22520, Rev. 7 (C-101)	Retrievals	1217514
TPA Change Notice 2012-11 to TWRWP RPP-22393, Rev. 6A (C-102, C-104, C-107, C-108, and C-112)	Retrievals	1217515
September 25, 2012 TPA Project Manager Monthly Meeting Minutes	All	1217608
241-TX Farm Direct Push Logging and Sampling 09/06/12 Meeting Notes	M-045-20	1217723
TX Field Trip to Verify Direct Push Locations with Follow-On Confirmation 09/18/12 Meeting Notes	M-045-20	1217722